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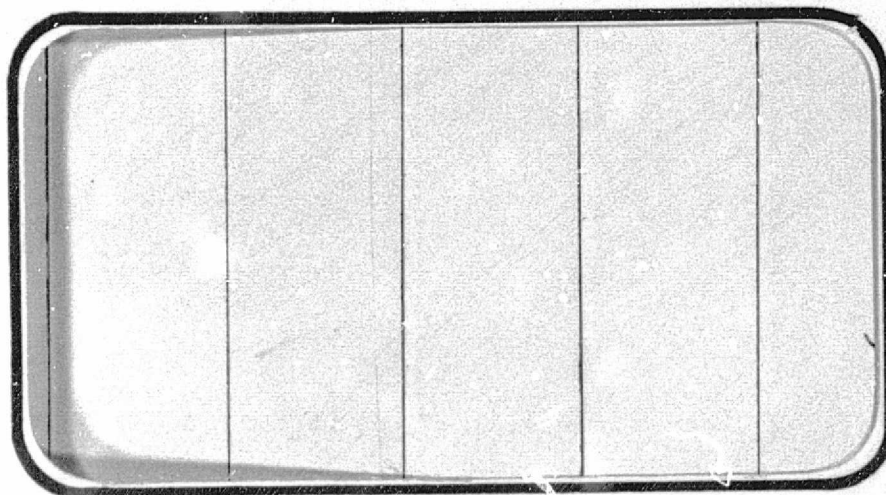
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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

NASA CR-

141839



(NASA-CR-141839) RESULTS OF A PRESSURE
LOADS INVESTIGATION ON A 0.030-SCALE MODEL
(47-OTS) OF THE INTEGRATED SPACE SHUTTLE
VEHICLE CONFIGURATION 5 IN THE NASA AMES
RESEARCH CENTER 11 X 11 FOOT LEG OF THE

N76-15249

G3/18 Unclas
09116



SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA MANAGEMENT services

SPACE DIVISION



CHRYSLER
CORPORATION

DATE: June 1976

PUBLICATION CHANGE

THE FOLLOWING CHANGES APPLY TO PUBLICATION: Space Shuttle Data Report

TITLE: RESULTS OF A PRESSURE LOADS INVESTIGATION ON A 0.030-SCALE MODEL

(47-OTS) OF THE INTEGRATED SPACE SHUTTLE VEHICLE CONFIGURATION 5 IN THE NASA

AMES RESEARCH CENTER 11x11 FOOT LEG OF THE UNITARY PLAN WIND TUNNEL (IA81A)

NUMBER: DMS-DR-2169 DATE: November 1975 BRANCH: DATAMAN

NASA CR-141,836, Volume 1 N76-15246
NASA CR-141,837, Volume 2 N76-15247
NASA CR-141,838, Volume 3 N76-15248
NASA CR-141,839, Volume 4 N76-15249
NASA CR-141,840, Volume 5 N76-15250
NASA CR-141,841, Volume 6 N76-15251
NASA CR-141,842, Volume 7 N76-15252

Subsequent to publication, the following errors were discovered in the documented pressure tap locations:

- 1) In table IV, the wing station corresponding to $\eta = 0.673$ was erroneously stated as $Y_0 = 300$ instead of $Y_0 = 315$.

(Continued on next page)

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Reviewed by: D. E. Poucher

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PAGE 1 OF 2

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June 1976

PUBLICATION CHANGE (Concluded)

DMS-DR-2169

- 2) In table IV and all plotted and tabulated left wing pressure data, tap locations given as $\eta = 0.673$, $x/c \geq 0.775$ should be $\eta = 0.641$ at the same chordwise locations.
- 3) In table VI, spanwise tap locations given as $\eta_v = 0.153, 0.316, 0.600, 0.840$, should be $0.158, 0.317, 0.602, 0.839$, respectively.
- 4) In table VIII, the stated values of SRB axial coordinates X_s and X_s/l_s are erroneous for tap numbers 909-932; tap numbers 870, 882, and 901-908 were deleted from the test but erroneously included in the table.

This publication change presents tables IV, VI, and VIII as revised from the subject publication. Users of the tabulated or plotted pressure data for the left wing should refer to the revised table IV for the correct pressure tap locations.

TABLE IV.
ORBITER WING PRESSURE TAP NUMBERS

η γ_c		ORBITER LEFT WING PRESSURE TAP NUMBERS																NO. OF TAPS	
23	110	γ_c 0 .041 .113 .247 .425 .547 .638 .727 .793																	
		TOP 208 209 210 211 212 213 214 215 216																9 9	
		BOT - - - - -																0	
24	140	γ_c 0 .010 .022 .050 .094 .229 .362 .497 .700 .874 .965 .980 .965																	
		TOP 217 218 219 220 221 222 223 224 225 226 227 228 229																13 34	
		BOT - 230 231 232 233 234 235 236 237 238 239 240 241																12	
24	170	γ_c 0 .010 .020 .040 .066 .163 .246 .340 .437 .545 .639 .749 .849 .955																	
		TOP 242 243 244 245 246 247 248 249 250 251 252 253 254 255																14 61	
		BOT - 256 257 258 259 260 261 262 263 264 265 266 267 268																13	
24	200	γ_c 0 .010 .020 .040 .093 .171 .274 .402 .545 .700 .808 .957 .985 .953 .942																	
		TOP 269 270 271 272 273 274 275 276 277 278 279 280 281 282 -																14 89	
		BOT - 283 284 285 286 287 288 289 290 291 292 293 294 295 296																14	
24	230	γ_c 0 .010 .020 .050 .080 .150 .250 .400 .550 .725 .775 .850 .900 .950																	
		TOP 297 298 299 300 301 302 303 304 305 306 307 308 309 310																14 116	
		BOT - 311 312 313 314 315 316 317 318 319 320 321 322 323																13	
24	300	γ_c .775 .850 .900 .900																	
		TOP 324 325 326 327 328 329 330 331 332																9 140	
		BOT - 336 337 338 339 340 341 342 343																8	
24	315	γ_c 0 .010 .020 .050 .150 .250 .400 .550 .750 .850 .950																	
		TOP 344 345 346 347																3 123	
		BOT 344 345 346 347																4	
24	355	γ_c 0 .010 .020 .050 .150 .250 .400 .550 .750 .850 .950																	
		TOP 344 345 346 347																9 140	
		BOT - 336 337 338 339 340 341 342 343																8	
24	365	γ_c 0 .010 .020 .050 .150 .250 .400 .550 .750 .850 .950																	
		TOP 348 349 350 351 352 353 354 355 356 357																10 159	
		BOT - 358 359 360 361 362 363 364 365 366																9	
24	405	γ_c 0 .010 .020 .050 .150 .250 .400 .550 .750 .850 .950																	
		TOP 367 368 369 370 371 372 373 374 375 376 -																10 179	
		BOT - 377 378 379 380 381 382 383 384 385 386																10	
24	455	γ_c 0 .020 .049 .157 .345 .503 .670 .862																	
		TOP 387 388 389 390 391 392 393 394																8 194	
		BOT - 395 396 397 398 399 400 401																7	
24	495	γ_c 0 .020 .049 .157 .345 .503 .670 .862																	
		TOP 402 403																2 196	
		BOT - -																	

ORBITER RIGHT WING PRESSURE TAP NUMBERS

η γ_c		ORBITER RIGHT WING PRESSURE TAP NUMBERS																NO. OF TAPS	
235	110	γ_c 0 .041 .113 .247 .425 .547 .638 .727 .793																	
		TOP 404 405 406 407 408 409 410 411 412																9 205	
		BOT - - - - -																0	
34	170	γ_c 0 .010 .020 .050 .086 .163 .246 .340 .437 .545 .639 .749 .849 .955																	
		TOP 413 414 415 416 - 417 418 419 420 421																9 222	
		BOT - 422 423 424 425 426 427 428 - 429																8	

TABLE V. ORBITER FUSELAGE PRESSURE TAP NUMBERS

WEN FIVE LOC. - 25-

ORBITER X ₀ ~ IN.			Φ RADIAL LOCATION ~ DEGREES																									
FULL	MODEL	X ₀ /L	0	20	40	55	70	90	105	110	120	135	140	150	151	156	162	165	169	174	180	305	320	340	NO TAPS	Σ TAPS		
235	7.05	0	7																						1	1		
245	7.35	.008	8					9													10				3	4		
265	7.95	.023	11	12	13	14	15	16			17			18							19	20	21	22	12	16		
295	8.85	.046	23	24	25	26	27	28			29			30							31	32	33	34	12	28		
325	9.75	.070	35	36	37	38	39	40			41			42							43	44	45	46	12	40		
380	11.40	.112	47	48	49	50	51	52			53			54							55	56	57	58	12	52		
440	13.20	.158																		59					1	53		
450	13.50	.166	60	61	62	63	64	65			66					67			68		69	70	71	72	13	66		
465	13.95	.177													73		74								2	68		
500	15.00	.204	75	76	77	78	79	80			81		82	83				84			85	86	87	88	14	82		
560	16.80	.251	89		90		91	92			93			94				95			96		97		9	91		
625	18.75	.301	98		99		100	101			102			103				104			105		106		9	100		
725	21.75	.378	107		108		109	110			111			112				113			114		115		9	109		
880	26.40	.497	116		117		118	119			120			121				122			123		124		9	118		
980	29.40	.574	125		126																		127		3	121		
1080	32.40	.652	128		129		130	131			132			133				134			135		136		9	130		
1180	35.40	.729	137		138		139	140			141			142							143		144		8	138		
1245	37.35	.779	145		146		147	148	149		150	151		152				153			154		155		11	149		
1300	39.00	.821	156		157		158	159	160		161	162		163							164		165		10	159		
1375	41.25	.879	166		167		168	169	170		171	172		173				174					175		10	169		
1430	42.30	.921	176		177		178	179	180		181	182		183				184					185		10	179		
1480	44.40	.960	186		187		188	189	190		191	192		193				194					195		10	189		
1530	45.30	.999									196	197													2	191		
1530	45.30	.999									198	199													2	193		

L = 1297.0 IN

a. OMS POD. INSIDE

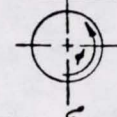
b. OMS POD. OUTSIDE

TABLE VI. ORBITER VERTICAL TAIL PRESSURE TAP
NUMBERS (LEFT SIDE ONLY)

VERTICAL			X/CV											
Zo	FULL SCALE	MODEL SCALE	η_v	0	.025	.05	.15	.30	.52	.685	.775	.90	No. TAPS	TAPS
550		16.5	.158	430	431	432	433	434	435	436	437		8	8
600		18.0	.317	438	439	440	441	442	443	444	445	446	9	17
690		20.7	.602	447	448	449	450	451	452	453	454	455	9	26
765		22.95	.839	456	457	458	459	460	461	462	463	464	9	35
792		23.76	.925	465	466	467	468	469	470	471	472	473	9	44

TABLE VII. EXTERNAL TANK PRESSURE TAP NUMBERS

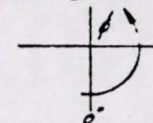
VIEW FWD LOOKING AFT



Xp ~ IN. REL. SCALE	Xpw IN. MODEL SCALE	XT/ LT	φ ~ DEGREES																	NO TAPS
			0	30	60	90	120	135	147	162	180	198	213	225	240	270	300	330		
298/329	8.937/9.251	0	474																1	
346	10.38	0.0092	475	476	477	478	479		480		481		482		483	484	485	486	12	
363	10.89	0.0184	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	16	
403	12.09	0.0400	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	16	
448	13.44	0.0644	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	16	
568	17.04	0.1296	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	16	
628	20.64	0.1944	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	16	
718	21.54	0.2106	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	16	
758	22.74	0.2323	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	16	
803	24.24	0.2594	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	16	
850	25.50	0.2821	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	16	
950	28.50	0.3362	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	16	
1050	31.50	0.3904	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	--	16	
1150	34.50	0.4445	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	16	
1250	37.50	0.4987	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	16	
1350	40.50	0.5528	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	16	
1500	45.00	0.6360	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	16	
1700	51.00	0.7423	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	16	
1900	57.00	0.8506	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	16	
2040	61.20	0.9264	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	16	
2146	64.38	0.9838	775	776	777	778	779		780		781		782		783	784	785	786	12	
STING CAVITY			787																1	
L = 1846.91 IN.																			Σ TAPS	314

TABLE VIII LEFT SRB PRESSURE TAP NUMBERS

VIEW FWD LOOKING AFT



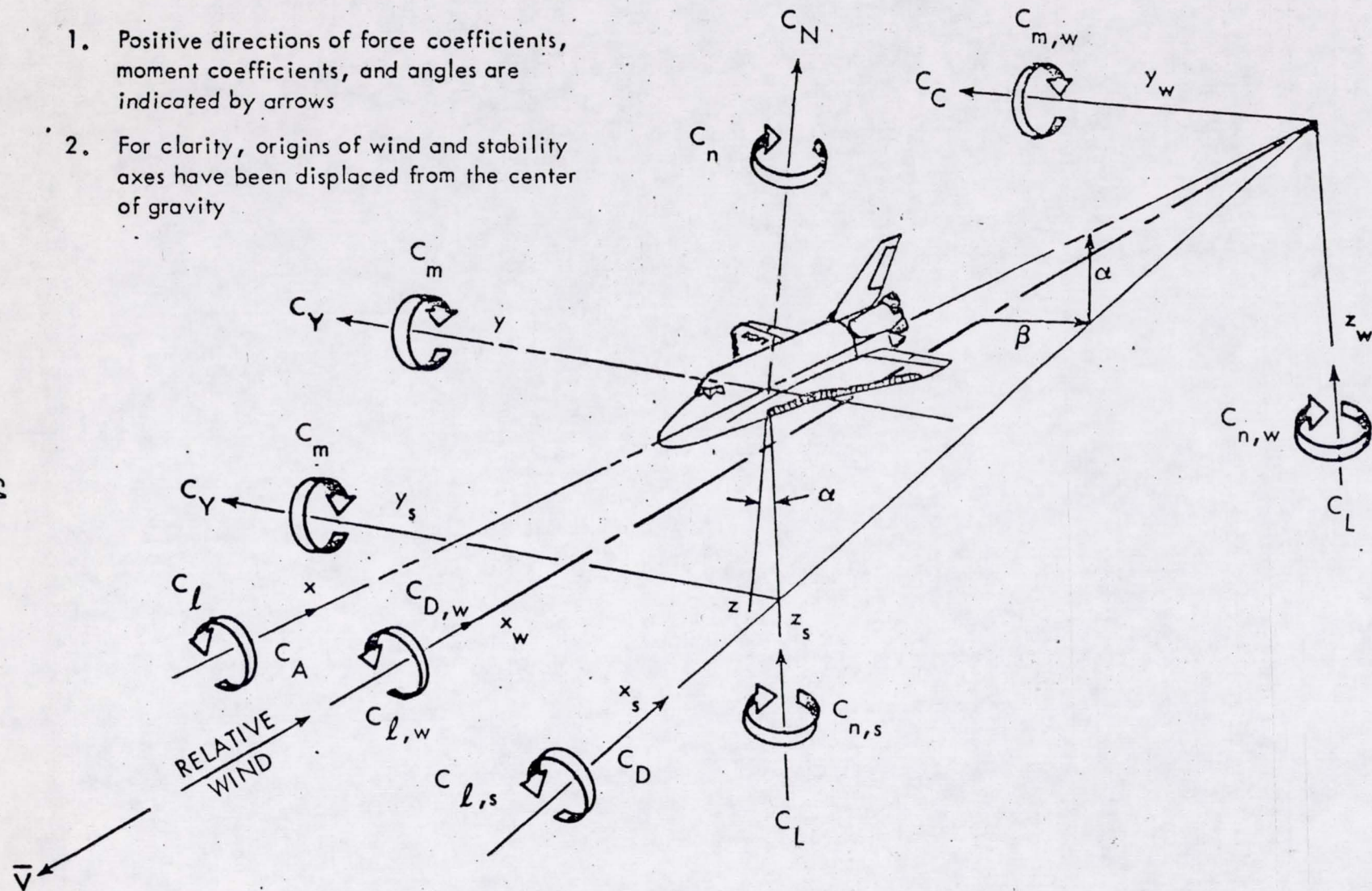
$X_3 \sim \text{IN.}$ FULL SCALE	$X_3 \sim \text{IN.}$ MODEL SCALE	X_3/L_3	$\phi \sim \text{DEGREES}$										NO. TAPS	Σ NO TAPS
			0	45	90	135	180	225	270	315				
200	6	0	788									1	1	
260	7.8	0.0335	789	790	791	792	793	794	795	796		8	9	
370	11.1	0.0950	797	798	799	800	801	802	803	804		8	17	
400	12.0	0.1118	805	806	807	808	809	810	811	812		8	25	
450	13.5	0.1397	813	814	815	816	817	818	819	820		8	33	
550	16.5	0.1956	821	822	823	824	825	826	827	828		8	41	
700	21.0	0.2794	829	830	831	832	833	834	835	836		8	49	
850	25.5	0.3632	837	838	839	840	841	842	843	844		8	57	
1050	31.5	0.4250	845	846	847	848	849	850	851	852		8	65	
1250	37.5	0.5867	853	854	855	856	857	858	859	860		8	73	
1450	43.5	0.6985	861	862	863	864	865	866	867	868		8	81	
1503	45.09	0.7280	869				871		872			3	84	
1505	45.15	0.7290	873		874		875		876			4	88	
1517	45.51	0.7360	877		878		879		880			4	92	
1519	45.57	0.737	881				883		884			3	95	
1650	49.5	0.8102	885	886	887	888	889	890	891	892		8	103	
1750	52.5	0.8661	893	894	895	896	897	898	899	900		8	111	
1832.9	54.99	0.9120	909		910		911		912			4	115	
1833.9	55.02	0.9130	913		914		915		916			4	119	
1872.2	56.17	0.9344	917	918	919	920	921	922	923	924		8	127	
1911.7	57.35	0.9565	925	926	927	928	929	930	931	932		8	135	
SKIRT BASE			933			934			935			3	138	
NOZZLE BASE &			936									1	139	

 $L_3 = 1789.60$ IN.

* PRESSURE TAPS AT 77.5 IN. RADIUS ON THE STRUCTURAL RINGS

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



a. Forces and Moments
Figure 1. - Axis Systems.

DATE: November 1976

PUBLICATION CHANGE

THE FOLLOWING CHANGES APPLY TO PUBLICATION: Space Shuttle Data Reports

TITLE: RESULTS OF A PRESSURE LOADS INVESTIGATION ON A 0.030-SCALE MODEL
(47-OTS) OF THE INTEGRATED SPACE SHUTTLE VEHICLE CONFIGURATION 5 IN THE NASA
AMES RESEARCH CENTER 11x11 FOOT LEG OF THE UNITARY PLAN WIND TUNNEL (IA81A)

NUMBER: DMS-DR-2169 DATE: November 1975 BRANCH: DATAMAN

NASA CR-141,836, Volume 1
NASA CR-141,837, Volume 2
NASA CR-141,838, Volume 3
NASA CR-141,839, Volume 4
NASA CR-141,840, Volume 5
NASA CR-141,841, Volume 6
NASA CR-141,842, Volume 7

Subsequent to publication of the test data report, it was discovered that the correct SRB base area was 236.46 ft². Initial data reduction done at the test facility was performed using a value of 201.07 ft² as presented in the pre-test report.

This publication change presents corrected test data in the form of plotted data figures, tabulated listings and text information as presented in the data report. Additionally, CAB and CAC coefficients have been added for all balances. This publication change replaces all the force test data contained in Volumes 1 and 2.

Equations used to correct the CAB, CAF and CYNF coefficients are as follows:

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PAGE 1 OF 2

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CHRYSLER
CORPORATION

DATE:

PUBLICATION CHANGE

THE FOLLOWING CHANGES APPLY TO PUBLICATION: Space Shuttle Data Reports

TITLE: _____

NUMBER: DMS-DR-2169 DATE: November 1975 BRANCH: DATAMAN

$$CAB_{new} = CAB_{old} * 236.46/201.07$$

$$CAF_{new} = CA - CAC - CAB_{new}$$

$$CYNF_{new} = CYNF_{old} - (CAF_{new} - CAF_{old}) * 250.5/1297.0$$

A complete list of data and page replacements follows.

All Volumes:

Page 26 AbsRB was listed as 201.07, should be 236.46.

Page 55 Max cross-sectional area listed as 201.07 full scale and 0.1809 model scale, should be 236.46 and 0.2128, respectively

Volume 1:

Data Figures 4-51, pages 1-843 replaced.

Volume 2:

Force data tabulation completely replaced, pages 1-113.

PAGE 2 OF 2

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DATA REDUCTION (Continued)

$$C_{A_{b_{SRB}}} = -C_{P_{b_{SRB}}} \frac{A_{b_{SRB}}}{S}$$

$$C_{m_{b_o}} = - \frac{x_{b_o}}{l_b} C_{N_{b_o}} + \frac{z_{b_o}}{l_b} C_{A_{b_o}}$$

$$C_{m_{bf}} = - \frac{x_{bf}}{l_b} C_{N_{bf}}$$

$$C_{N_{f_o}} = C_{N_o} - C_{N_{b_o}} - C_{N_{bf}}$$

$$C_{m_{f_o}} = C_{m_o} - C_{m_{b_o}} - C_{m_{bf}}$$

$$C_{A_{f_o}} = C_{A_o} - C_{A_{b_o}}$$

$$C_{A_{f_{ET}}} = C_{A_{ET}} - C_{A_{b_{ET}}}$$

$$C_{A_{f_{SRB}}} = C_{A_{SRB}} - C_{A_{b_{SRB}}}$$

$$A_{b_{ET}} = 597.56 \text{ ft}^2$$

$$A_{bf} = 142.6 \text{ ft}^2$$

$$A_{b_o} = 314.10 \text{ ft}^2$$

$$A_{b_{OMS}} = 122.57 \text{ ft}^2$$

DATA REDUCTION (Concluded)

$$A_{bSRB} = 236.46 \text{ ft}^2$$

$$i_{b_0} = 14.75^\circ$$

$$x_{bf} = 1329.7 \text{ in.}$$

$$x_{b_0} = 1263.0 \text{ in.}$$

$$z_{b_0} = 336.5 \text{ in.}$$

Base pressure coefficients represented the average pressure on the respective bases. Body flap pressure coefficients were as given by figure 20.

Right SRB forces and moments were calculated as a mirror image of left SRB forces and moments about $\beta = 0$:

$$\left(\begin{array}{l} \text{Coefficient on} \\ \text{Right SRB} \\ \text{at } +\beta \end{array} \right) = \left(\begin{array}{l} \text{Coefficient on} \\ \text{Left SRB} \\ \text{at } -\beta \end{array} \right)$$

Forces and moment on each component (Orbiter, ET, left SRB, and right SRB) were interpolated versus the respective angle of attack and angle of sideslip of each component to nominal angles. These data were then added to provide total integrated vehicle forces and moments.

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BOOSTER SOLID ROCKET MOTOR - S21GENERAL DESCRIPTION : _____

_____MODEL SCALE: 0.030.DRAWING NUMBER : VL72-000143D, VL77-000066

<u>DIMENSIONS :</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (Includes nozzle), In.	<u>1789.40</u>	<u>53.682</u>
Tank Diameter, In.	<u>146.00</u>	<u>4.38</u>
Aft shroud dia., In.	<u>192.00</u>	<u>5.76</u>
Fineness Ratio	<u>9.3198</u>	<u>9.3198</u>
Area - Ft ²		
Max Cross-Sectional	<u>236.46</u>	<u>0.2128</u>
Planform	_____	_____
Wetted	_____	_____
Base	_____	_____
WP of BSRM centerline (Z_T)	<u>400.0</u>	<u>1.200</u>
FS of BSRM nose (X_T)	<u>743.0</u>	<u>22.29</u>
BP of BSRM centerline (Y_T)	<u>250.5</u>	<u>7.515</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: EXTERNAL TANK - T₂₀

GENERAL DESCRIPTION: _____

NOTE: (Dimensions are to tank structural OML, TBS not included.)

MODEL SCALE: 0.030 .

DRAWING NUMBER VL72-000143D, VL78-000063

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length , In.	<u>1844.275</u>	<u>55.328</u>
Max Width Dia., In.	<u>331.00</u>	<u>9.93</u>
Max Depth	<u> </u>	<u> </u>
Fineness Ratio	<u>5.687</u>	<u>5.687</u>
Area - Ft ²		
Max Cross-Sectional	<u>594.678</u>	<u>0.053</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

November, 1975

DMS-DR-2169
NASA CR-141,839

RESULTS OF A PRESSURE LOADS INVESTIGATION ON A
0.030-SCALE MODEL (47-OTS) OF THE INTEGRATED
SPACE SHUTTLE VEHICLE CONFIGURATION 5 IN THE
NASA AMES RESEARCH CENTER 11 X 11 FOOT LEG OF THE
UNITARY PLAN WIND TUNNEL (IA81A)

VOLUME 4 OF 7

by

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by

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for

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Houston, Texas

WTR TUNNEL TEST SPECIFICS:

Test Number: ARC 11-019-1
NASA Series Number: IA81A
Model Number: 47-OTS
Test Dates: 26 July through 8 August 1974
Occupancy Hours: 184

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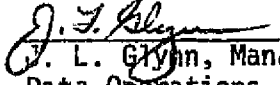
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ABSTRACT

Results of wind tunnel test IA81A are presented. The model was a 0.030-scale representation of the integrated Space Shuttle Vehicle Configuration 5. Testing was conducted in the NASA Ames Research Center 11 x 11 foot leg of the Unitary Plan Wind Tunnel to investigate pressure distributions for aeroloads analyses at Mach numbers from 0.9 through 1.4. Angles of attack and sideslip were varied from -6 to +6 degrees.

This report consists of 7 volumes of force and pressure data. They are arranged in the following manner:

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CNF versus CLMF
- B) CY, CYNF, CBL versus BETAI
CY versus CYNF
CY versus CBL
- C) CHEO, CHEI versus ALPHAO
- D) CABO versus ALPHAO
- E) CABET versus ALPHAT
- F) CABSRB versus ALPHAL
- G) CABSRB versus ALPHAR
- H) CAFAFO versus MACH
- I) XAC/LV versus MACH
- J) CNALFA versus MACH
- K) YAC/LV versus MACH
- L) CYBETA versus MACH
- M) CHEO, CHEI versus MACH
- N) DCAF, DCNF, DCLMF versus MACH
- O) CP versus X/LB
- P) CP versus X/LT
- Q) CP versus X/LS
- R) CP versus X/CV
- S) CP versus X/CW

NOMENCLATURE General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
Re/L	Re/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

A _b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l}{c}$ _{REF}	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS_b}$
C_l	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS_b}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS_b}$
C_l	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS_b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D

NOMENCLATURE (Continued)
Additions to Standard Nomenclature

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Defintion</u>
A_{bET}		external tank base area, ft^2
A_{bf}		body flap upper surface area, ft^2
A_{bO}		Orbiter base area, ft^2
A_{bOMS}		OMS pod base area, ft^2
A_{bSRB}		SRB base area, ft^2
$C_{A_{bET}}$	CABET	external tank base axial force coefficient
$C_{A_{bO}}$	CABO	Orbiter base axial force coefficient
$C_{A_{bSRB}}$	CABSRB	SRB base axial force coefficient
$C_{A_{ET}}$		external tank total axial force coefficient
$C_{A_{fET}}$		external tank forebody axial force coefficient
$C_{A_{fO}}$		Orbiter forebody axial force coefficient
$C_{A_{fSRB}}$		SRB forebody axial force coefficient
C_{A_O}		Orbiter total axial force coefficient

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_{p_{b_{OMS}}}$		OMS pod average base pressure coefficient
$C_{p_{b_{SRB}}}$		SRB average base pressure coefficient
C_{p_i}		pressure coefficient associated with i^{th} tap
ET		external tank
i_{b_o}		Orbiter base incidence angle to a line of constant X_o , deg.
l_b		Orbiter fuselage length, in.
MRP		moment reference point
OMS		orbital maneuvering system
RN/FT	RN/L	unit Reynolds number, million per foot
S_e		elevon surface area, ft^2
SRB		solid rocket booster
X_{bf}		longitudinal distance from MRP to bodyflap area centroid, in.
X_{b_n}		longitudinal distance from MRP to Orbiter base area centroid, in.
X/C	X/CW	chordwise location on wing
X/C_v	X/CV	chordwise location on vertical tail
X_o		Orbiter longitudinal station, in.
X_o/L_o	X/LT	location on Orbiter, fraction of Orbiter body length aft of Orbiter nose

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_{A_{SRB}}$		SRB total axial force coefficient
\bar{C}_e		elevon mean aerodynamic chord, in
$C_{h_{e_I}}$	CHEI	inboard elevon hinge moment coefficient
$C_{h_{e_o}}$	CHEO	outboard elevon hinge moment coefficient
$C_{m_{bf}}$	CMBF	bodyflap upper surface pitching moment coefficient
$C_{m_{b_o}}$	CMBO	Orbiter base pitching moment coefficient
$C_{m_{f_o}}$		Orbiter forebody pitching moment coefficient
C_{m_o}		Orbiter total pitching moment coefficient
$C_{n_{bf}}$		bodyflap upper surface normal force coefficient
$C_{N_{b_o}}$		Orbiter base normal force coefficient
$C_{N_{f_o}}$		Orbiter forebody normal force coefficient
C_{N_o}		Orbiter total normal force coefficient
$C_{p_{b_{ET}}}$		external tank average base pressure coefficient
$C_{p_{bf}}$		bodyflap average upper surface pressure coefficient

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$C_{p_{b_0}}$		Orbiter average base pressure coefficient
x_S	XS	SRB longitudinal station, in.
x_S/l_S	X/LS	location on SRB, fraction of SRB body length aft of SRB nose
x_T	XT	external tank longitudinal station, in.
x_T/l_T	X/LT	location on ET, fraction of ET body length aft of ET nose
y_O	YO	Orbiter lateral station, in.
y_S	YS	SRB lateral station, in.
y_T	YT	external tank lateral station, in.
z_{b_0}		vertical distance from MRP to Orbiter base area centroid, in.
z_O	ZO	Orbiter vertical station, in.
z_S	ZS	SRB vertical station, in
z_T	ZT	external tank vertical station, in.
α_O	ALPHAO	Orbiter angle of attack, degrees
α_{S_L}	ALPHAL	left SRB angle of attack, degrees
α_{S_R}	ALPHAR	right SRB angle of attack, degrees
α_T	ALPHAT	external tank angle of attack, degrees
β_O	BETAO	Orbiter angle of sideslip, degrees

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
β_{BL}	BETAL	left SRB angle of sideslip, degrees
β_{SR}	BETAR	right SRB angle of sideslip, degrees
β_T	BETAT	external tank angle of sideslip, degrees
δ_{ei}	ELV-IB	inboard elevon deflection angle, degrees
δ_{eo}	ELV-OB	outboard elevon deflection angle, degrees
δ_R	RUDDER	rudder deflection angle, degrees
δ_{SB}	SPDBRK	speedbrake deflection angle, degrees
n	2Y/b	spanwise station, 2Y/b
ϕ	PHI	radial location, degrees
C_{AC}		orbiter sting cavity axial force coefficient
β_I	BETAI	integrated vehicle angle of sideslip, degrees
α_I	ALPHAI	integrated vehicle angle of attack, degrees
X/LB	X/LB	longitudinal position/body length (fuselage)
Y/BW	Y/BW	local spanwise position/wing span
Z/BV	Z/BV	local spanwise position/vertical tail span
SRM	SRM	solid rocket motor

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
C_{n_f}	CYNF	forebody yawing moment coefficient, body axis system
C_{m_f}	CLMF	forebody pitching moment coefficient
C_{N_f}	CNF	forebody normal force coefficient
C_{A_f0}	CAFAFO	forebody axial force coefficient at zero alpha
C_{N_α}	CNALFA	derivative of normal-force coefficient with respect to alpha, per degree
X_{cp}/ℓ_v	XAC/LV	vertical tail chordwise center of pressure location
Y_{cp}/ℓ_v	YAC/LV	vertical tail spanwise center of pressure location
C_{Y_β}	CYBETA	derivative of side-force coefficient with respect to beta, per degree
ΔC_{A_f}	BCAF	incremental forebody axial force coefficient
ΔC_{N_f}	DCNF	incremental forebody normal force coefficient
ΔC_{m_f}	DCLMF	incremental forebody pitching moment coefficient
CHM1	CHM1	contributions of the forward bridge to the inboard elevon hinge moment coefficient
CHM2	CHM2	contributions of the aft bridge to the inboard elevon hinge moment coefficient
CHM3	CHM3	contributions of the forward bridge to the outboard elevon hinge moment coefficient
CHM4	CHM4	contributions of the aft bridge to the outboard elevon hinge moment coefficient

NOMENCLATURE (Concluded)

Data Set Identifiers

The fourth letter of the data set identifier indicates the component, e.g., RETT04.

Force

O	Orbiter
T	External Tank
L	Left SRB
R	Right SRB
H	Orbiter - Hinge moment
I	Integrated Vehicle

Pressure

B	Orbiter Fuselage
L	Left Wing lower surface
U	Left Wing upper surface
W	Right Wing lower surface
R	Right Wing upper surface
V	Left Vertical Tail
S	SRM Booster
T	External Tank
C	Miscellaneous Orifices

CONFIGURATIONS INVESTIGATED

The model was a 0.030-scale representation of the Rockwell International Space Shuttle Integrated Vehicle. The Orbiter was per VL70-000140A/B lines. The external tank represented VL78-000063 lines. The solid rocket motors were per VL72-000066 lines. Figures 2a, b, and c present sketches of the model configuration. Model simulation included attach structure protuberances, fairings, fuel feed lines, vent lines, etc. (basic model construction was of ARMCO 17-4 steel).

Model forces and moments were measured by 3 Task Corporation six component balances. A 2.5 in. MK XXA was mounted in the Orbiter. A 2.0 in. MK IIIC was mounted in the external tank. A 1.5 in. MK IIC was mounted in the LH SRB. The balances are attached to stings entering each component through the base areas. Figures 2m and 2n show the balance locations in the model. The RH wing inboard and outboard elevon panels are instrumented with hinge moment gages as shown in figure 1c.

Surface and base pressures were measured on the Orbiter, external tank and solid rocket motors. The Orbiter was instrumented with a total of 480 pressure-orifices, of which 6 were base and cavity pressures. The external tank was instrumented with a total of 314 pressure orifices. The LH SRM was instrumented with a total of 149 pressure orifices. Orifice locations are presented in tables IV through VIII and figures 2d through 2 l.

The following model shorthand configuration notation was used:

LVA' = AT₂₈ thru 32 FL₁₀ FL₁₁ FR₁₀ N₈₆ O₁ PT₁₂ PT₂₂₋₂₇ S₂₁ T₂₈

CONFIGURATIONS INVESTIGATED (Concluded)

AT ₂₈ thru 32	=	Attach hardware structure
FL ₁₀	=	LH ₂ feedline
FL ₁₁	=	LO ₂ feedline
FR ₁₀	=	Umbilical door fairing
N ₈₆	=	Nozzles for solid rocket boosters
O ₁	=	B ₂₆ C ₉ E ₄₄ F ₉ M ₁₆ N ₂₈ R ₅ V ₈ W ₁₁₆
PT ₁₂	=	Lightning rod on nose of T ₂₈
PT ₂₂ thru 27	=	External protuberance
S ₂₁	=	Solid rocket boosters
T ₂₈	=	External tank

Where model dimensions are as described in table III. The LVA' configuration was tested with speed brake gap both sealed and open and with elevon gap both sealed and open. The (instrumented) right elevon gap was sealed by a permanent sponge rubber seal. The left elevon gap was sealed with plaster. Speed brake gaps were sealed by red wax.

TEST FACILITY DESCRIPTION

The Ames Research Center Unitary Plan 11 by 11 Foot Transonic Wind Tunnel is a closed-circuit, air-medium, variable-density facility capable of attaining Mach numbers from 0.6 to 1.4 at Reynolds numbers from $1.7 \times 10^6/\text{ft}$ to $9.4 \times 10^6/\text{ft}$. The test section is 22 feet long, and models are installed on internal strain-gauge balances mounted to sting-type support systems.

Shadowgraph and Schlieren photographic equipment is available, and pressure transducer instrumentation is provided.

Tunnel operating temperature is 580°R. Extended high Reynolds number runs are restricted by power availability.

DATA REDUCTION

All balances data were reduced to coefficients about a moment reference point located at:

$$X_T = 976.0 \text{ in.}$$

$$Y_T = 0.0 \text{ in.}$$

$$Z_T = 400.0 \text{ in.}$$

The following reference dimensions were used:

$$S = 2690.0 \text{ ft}^2$$

$$l_b = 1297.0 \text{ in.}$$

Hinge moment data were reduced about their respective hinge lines using the following reference values:

$$S_e = 210.0 \text{ ft}^2$$

$$\bar{C}_e = 90.7 \text{ in.}$$

Base and forebody coefficients were calculated as follows:

$$C_{N_{b_o}} = -C_{p_{b_o}} \frac{A_{b_o}}{S} \tan i_{b_o} - C_{p_{b_{OMS}}} \frac{A_{b_{OMS}}}{S}$$

$$C_{N_{bf}} = -C_{p_{bf}} \frac{A_{bf}}{S}$$

$$C_{A_{b_o}} = -C_{p_{b_o}} \frac{A_{b_o}}{S} - C_{p_{b_{OMS}}} \frac{A_{b_{OMS}}}{S}$$

$$C_{A_{b_{ET}}} = -C_{p_{b_{ET}}} \frac{A_{b_{ET}}}{S}$$

DATA REDUCTION (Continued)

$$C_{A_{b_{SRB}}} = -C_{P_{b_{SRB}}} \frac{A_{b_{SRB}}}{S}$$

$$C_{m_{b_o}} = -\frac{x_{b_o}}{l_b} C_{N_{b_o}} + \frac{z_{b_o}}{l_b} C_{A_{b_o}}$$

$$C_{m_{bf}} = -\frac{x_{bf}}{l_b} C_{N_{bf}}$$

$$C_{N_{f_o}} = C_{N_o} - C_{N_{b_o}} - C_{N_{bf}}$$

$$C_{m_{f_o}} = C_{m_o} - C_{m_{b_o}} - C_{m_{bf}}$$

$$C_{A_{f_o}} = C_{A_o} - C_{A_{b_o}}$$

$$C_{A_{f_{ET}}} = C_{A_{ET}} - C_{A_{b_{ET}}}$$

$$C_{A_{f_{SRB}}} = C_{A_{SRB}} - C_{A_{b_{SRB}}}$$

$$A_{b_{ET}} = 597.56 \text{ ft}^2$$

$$A_{bf} = 142.6 \text{ ft}^2$$

$$A_{b_o} = 314.10 \text{ ft}^2$$

$$A_{b_{OMS}} = 122.57 \text{ ft}^2$$

DATA REDUCTION (Concluded)

$$A_{b_{SRB}} = 201.07 \text{ ft}^2$$

$$i_{b_o} = 14.75^\circ$$

$$x_{bf} = 1329.7 \text{ in.}$$

$$x_{b_o} = 1263.0 \text{ in.}$$

$$z_{b_o} = 336.5 \text{ in.}$$

Base pressure coefficients represented the average pressure on the respective bases. Body flap pressure coefficients were as given by figure 20.

Right SRB forces and moments were calculated as a mirror image of left SRB forces and moments about $\beta = 0$:

$$\left(\begin{array}{c} \text{Coefficient on} \\ \text{Right SRB} \\ \text{at } +\beta \end{array} \right) = \left(\begin{array}{c} \text{Coefficient on} \\ \text{Left SRB} \\ \text{at } -\beta \end{array} \right)$$

Forces and moment on each component (Orbiter, ET, left SRB, and right SRB) were interpolated versus the respective angle of attack and angle of sideslip of each component to nominal angles. These data were then added to provide total integrated vehicle forces and moments.

TABLE I.

[illegible]

TABLE II.

TEST: IABIA 11-019-1		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 8-23-74							
DATA SET IDENTIFIER	CONFIGURATION	SCHED.								ALPHA α									
		α	β	$\delta_{1/2}$	δ_R	$\delta_{5/8}$	M	RN/48	$\beta=0$	-6	-4	-2	0	2	4	6	8	10	
RETOOL	LVA' W/58 HL UNSEALED	I	O	0/0	0	55	1.1	3.0	1										
2	SEAL	E					0.6	3.2	2										
3		E					0.9	3.5	3										
(NOTE) 4		E					1.1	3.0	4										
(NOTE) 5		I				Y	1.25	2.25	5										
6	LVA' BASIC LAUNCH VEHICLE	B	B	8/4		O	0.6			11	10		6		7		8	9	
7	LVA' W/ LEFT ELEVON HL UNSEALED	A	A				0.9			18	17	16	12	13	14	15			
8							1.1	3.0					19	20	21*				
9							1.1	2.25		25	24	23	26	27	28	22			
10	LVA' W/ LEFT ELEVON HL SEALED	E	O				1.1		29										
11		A	A				1.25			30	31	32	33	34	35	36			
12		A	A	8/0			1.4			43	44	45	46	47	48/50	49			
13		B	B	8/0			0.6			42	41		37		38		39	40	
14		A	A	8/4			1.4			51	52	53	54***	55	56	57			
15				8/6			0.9			65	66	67	68	69	70	71			
16				8/6			1.1			58	59	60	61	62	63	64			
17				10/4		Y	0.9	Y		85	86	87	88	89	90	91			
SEE SUPPLEMENTARY SCHEDULE ON FOLLOWING PAGE																			
TYPE OF DATA																			
α OR β																			
SCHEDULES																			
SEE PAGE 31																			
COEFFICIENT SCHEDULES																			
IDVAR (1) IDVAR (2) NDV																			

* RUN 21 $\beta = -6^\circ$ MISSING

** RUN 48 $\alpha=4, \beta=-6, -4, 0, 4$

*** RUN 56 $\alpha=0, \beta=-6,-4,-2,0,2,4,6$

NOTE: DIS 4 & 5 LOST DURING TEST

TABLE II (Continued)

[illegible]

TABLE II (Continued)

COMPONENT	DATASET IDENTIFIER	INDEPENDENT VARIABLES		FORCE COEFFICIENT SCHEDULE							
Orbiter	RETOXX	BETA0	ALPHA0	CNF	CLMF	CA	CY	CYNF	CBL	*CABT	CAF
External Tank	RETTXX	BETAT	ALPHAT	CNF	CLMF	CA	CY	CYNF	CBL	CABT	CAF
Left SRB	RETLXX	BETAL	ALPHAL	CNF	CLMF	CA	CY	CYNF	CBL	CABT	CAF
Hinge Moment	RETHXX	BETA0	ALPHA0	CHEI	CHEO	CHM1	CHM2	CHM3	CHM4		

* Where CABT is $C_{A_b} + C_{A_c}$ for each vehicle component.

TABLE II (Concluded)

α or β Schedules

		Schedule <u>A</u>						
β	α	-6	-4	-2	0	2	4	6
-6		-	x	x	x	x	x	-
-4		x	x	-	x	-	x	x
-2		x	-	x	-	x	-	x
0		x	x	-	x	-	x	x
2		x	-	x	-	x	-	x
4		x	x	-	x	-	x	x
6		-	x	x	x	x	x	-

		Schedule <u>B</u>					
β	α	-4	0	4	8	10	
-6			x				
-4		x	x	x			
0		x	x	x	x	x	
4		x	x	x			
6			x				

		Schedule <u>G</u>				
β	α	-6	-4	0	4	6
-6				x		
-4			x	x	x	
0		x	x	x	x	x
4			x	x	x	
6				x		

Schedule C

$\beta = \pm 4, 0, \alpha = \pm 4, 0$

Schedule E

$\beta = 0, \alpha = -6, -4, -2, 0, 2, 4, 6$

Schedule I

$\beta = 0, \alpha = -6, -4, -2, 0, 2, 4, 6, 8$

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT₂₈

GENERAL DESCRIPTION: Rear orbiter to ET attach structure (LH and RH). 2 Members.

MODEL SCALE: 0.030

MODEL DRAWING NO.: _____

DRAWING NO.: VL78-000063, -000062B

DIMENSIONS:

MEMBER

FULL SCALE

MODEL SCALE

#1

X_O

1317.00

39.51

Y_O

- 96.50 (LH)

- 2.895

96.50 (RH)

2.895

Z_O

267.50

8.025

X_T

2058.00

61.740

Y_T

- 125.68 (LH)

- 3.770

125.68 (RH)

3.770

Z_T

515.5

15.465

#2

X_O

1317.00

39.51

Y_O

- 96.50 (LH)

- 2.895

96.50 (RH)

2.895

Z_O

267.50

8.025

X_T

1872.00

56.160

Y_T

-125.68 (LH)

- 3.770

125.68 (RH)

3.770

Z_T

504.5

15.135

Diameter, In.

#1

11.5

0.345

#2

15.5

0.465

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₂₀

GENERAL DESCRIPTION: Right-hand umbilical fairing to ET cross member attach structure (1 member).

MODEL SCALE: 0.030

MODEL DRAWING NO.: _____

DRAWING NO.: VL78-000062B, -Martin Marietta 82600207000

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Umbilical fairing attach point:	X _O	<u>1317.00</u>	<u>39.510</u>
	Y _O	<u>66.316</u>	<u>1.989</u>
	Z _O	<u>247.182</u>	<u>7.415</u>
	X _T	<u>2058.683</u>	<u>61.740</u>
	Y _T	<u>66.316</u>	<u>1.989</u>
	Z _T	<u>583.683</u>	<u>17.510</u>
ET attach point:	X _T	<u>2058.00</u>	<u>61.740</u>
	Y _T	<u>- 12.00</u>	<u>- 0.360</u>
	Z _T	<u>568.25</u>	<u>17.048</u>
	X _O	<u>1317.00</u>	<u>39.510</u>
	Y _O	<u>- 12.00</u>	<u>- 0.36</u>
	Z _O	<u>60.75</u>	<u>1.823</u>
Attach structure dia., in.		<u>4.5</u>	<u>0.135</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT30

GENERAL DESCRIPTION: Forward SRP to ET attach structure (LH and RH).

MODEL SCALE: 0.030

DRAWING NO.: VL78-000066, Martin Marietta 82600204300

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Attach point	X _T	985.675	29.570
	Y _T	-172.50 (LH)	- 5.175
		172.50 (RH)	5.175
	Z _T	0.0	0.0
	X _S	442.675	13.280
	Y _S	80.00	2.400
	Z _S	0.0	0.0
	X _O	244.675	7.340
	Y _O	- 184.5 (LH)	-5.535
		184.5 (RH)	5.535
	Z _O	0.0	0.0

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₁

GENERAL DESCRIPTION: Rear ET to SRB attach structure (LH & RH), 3 members.

MODEL SCALE: 0.030

MODEL DRAWING: _____

DRAWING NO.: VL72-000063, -000062P, -000066

DIMENSIONS:	MEMBER	FULL SCALE	MODEL SCALE	
	#1	XT	2058.00	61.74
		YT	- 171.50 (LH)	- 5.145
			171.50 (RH)	5.145
		ZT	457.00	13.710
		X _s	1511.00	45.33
		Y _s	53.24	1.597
		Z _s	57.00	1.710
	#2	XT	2058.00	61.74
		YT	- 163.58	- 4.916
		ZT	449.81	13.494
		X _s	1511.00	45.33
		Y _s	76.56	2.297
		Z _s	15.73	0.472
	#3	XT	2058.00	61.74
		YT	- 161.72	- 4.852
		ZT	343.00	10.29
		X _s	1511.00	45.33
		Y _s	53.24	1.597
		Z _s	- 57.00	- 1.710
Diameter of members, In.:	#1			
	#2			
	#3			

TABLE III.- MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT32

GENERAL DESCRIPTION: Forward orbiter ET attach structure (2 member structure)

MODEL SCALE: 0.030

DRAWING NO.: VL78-000042B, Martin Marietta R260020914

DIMENSIONS:	MEMBER	FULL SCALE	MODEL SCALE
	#1		
	X_0	388.15	11.6445
	Y_0	0.0	0.0
(Attach pt on orb $Z_T = 614$)	Z_0	LWR ML	LWR ML
	X_T	1129.9	34.05
	Y_T	46.50	1.395
(Attach pt on tank)	Z_T	562.58	16.877
	#2		
	X_0	388.15	11.645
	Y_0	0.0	0.0
	Z_0	LWR ML	LWR ML
	X_T	1129.9	34.05
	Y_T	- 46.50	- 1.395
	Z_T	562.58	16.877
Diameter, In.	#1	6.0	0.180
	#2	6.0	0.180

TABLE III.- MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY - B₂₆

GENERAL DESCRIPTION : Configuration 140A/B orbiter fuselage

NOTE: B₂₆ is identical to B₂₁, except underside of fuselage has been
refaired to accept W₁₁₆.

MODEL SCALE: 0.030 MODEL DRAWING NO.: SS-A00147, Rel. 12.

DRAWING NUMBER : VL70-000143B, -000200, -000205, -006089, -000145,
-000140A, -000140B

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (OML: Fwd Sta. $X_0=235$), In.	1293.3	38.799
Length (IML: Fwd Sta. $X_0=238$), In.	1290.3	38.709
Max Width (@ $X_0 = 1528.3$), In.	264.0	7.920
Max Depth (@ $X_0 = 1464$), In.	250.00	7.500
Fineness Ratio	0.264	0.264
Area - Ft ²		
Max. Cross-Sectional	340.88	0.307
Planform		
Wetted		
Base		

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : CANOPY - C₉

GENERAL DESCRIPTION : Configuration 3A. Canopy used with fuselage B₂₆

MODEL SCALE: 0.030

MODEL DWG NO.: SS-A00147

DRAWING NUMBER : VL70-000143A

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length ($X_0 = 434.643$ to 578), In.	<u>143.357</u>	<u>4.301</u>
Max Width ($X_0 = 513.127$), In.	<u>152.412</u>	<u>4.572</u>
Max Depth (At $X_0 = 485.$), In.	<u>25.000</u>	<u>0.750</u>
Fineness Ratio	_____	_____
Area	_____	_____
Max. Cross-Sectional	_____	_____
Planform	_____	_____
Wetted	_____	_____
Base	_____	_____

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELEVON - E₁₁

GENERAL DESCRIPTION: 5.0 In. F.S. gaps machined into E₁₁ elevon. Flapper doors, centerbody pieces, and tipseals are not simulated. (Data are for one of two sides).

MODEL SCALE: 0.030

DRAWING NUMBER: Not available

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area -- Ft ²	<u>210.0</u>	<u>0.189</u>
Span (equivalent), In.	<u>349.2</u>	<u>10.476</u>
Inb'd equivalent chord, In.	<u>118.0</u>	<u>3.54</u>
Outb'd equivalent chord, In.	<u>55.19</u>	<u>1.656</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Trailing Edge	<u>- 10.056</u>	<u>- 10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
(Product of area & c)		
Area Moment (Normal to hingeline), Ft. ³	<u>1587.25</u>	<u>0.0129</u>
Mean Aerodynamic Chord, In.	<u>90.7</u>	<u>2.721</u>

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TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT : BODY FLAP - F₉

GENERAL DESCRIPTION : Configuration 140 A/B

MODEL SCALE: 0.030

DRAWING NUMBER: VI70-000140B, -000200

DIMENSIONS :	FULL SCALE	MODEL SCALE
Length (Chord), In.	<u>84.7</u>	<u>2.541</u>
Max Width , In.	<u>262.308</u>	<u>7.869</u>
Max Depth , In.	<u>23.00</u>	<u>0.690</u>
Fineness Ratio	<u></u>	<u></u>
Area - Ft ²	<u></u>	<u></u>
Max. Cross-Sectional	<u></u>	<u></u>
Planform	<u>142.60</u>	<u>0.128</u>
Wetted	<u></u>	<u></u>
Base	<u>41.90</u>	<u>0.0377</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: FEEDLINE - FI₁₀

GENERAL DESCRIPTION: LH₂ feedline on upper left-hand side of T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, -000062B

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	2071.5	62.145
	Y _T	- 70.0	- 2.100
	Z _T	573.934	17.218
Trailing edge at:	X _T	2081.80	62.454
	Y _T	- 70.00	- 2.10
	Z _T	584.059	17.522
Diameter of line (17.0 I.D.)		18.160	0.545

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TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: FEEDLINE - FL₁₁

GENERAL DESCRIPTION: LO₂ feedline on upper right-hand of T₂₈

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, VL78-000062B

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1000.667</u>	<u>30.02</u>
	Y _T	<u>70.00</u>	<u>2.10</u>
	Z _T	<u>150.519</u>	<u>4.516</u>
Trailing edge at:	X _T	<u>2071.5</u>	<u>62.145</u>
	Y _T	<u>70.00</u>	<u>2.100</u>
	Z _T	<u>573.934</u>	<u>17.218</u>
Line diameter (17.0 I.D.)	(O.D.)	<u>18.16</u>	<u>0.545</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: FAIRING - FR₁₀

GENERAL DESCRIPTION: Umbilical door fairing between aft ET/orbiter
attach structure.

MODEL SCALE: 0.030

DRAWING NO.: VI.78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at	2052.0	61.74
Length	193.0	5.79
Width	15.0	0.45

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TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: OMS POD - M₁₆

GENERAL DESCRIPTION: Configuration 140C orbiter OMS pod - short pod

MODEL SCALE: 0.030.

DRAWING NUMBER VL70-008401, -008410

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (OMS Fwd Sta. $X_0=1310.5$), In.	<u>258.50</u>	<u>7.755</u>
Max Width (@ $X_0 = 1511$), In.	<u>136.8</u>	<u>4.104</u>
Max Depth (@ $X_0 = 1511$), In.	<u>74.70</u>	<u>2.241</u>
Fineness Ratio	<u>2.484</u>	<u>2.484</u>
Area - Ft ²		
Max Cross-Sectional	<u>58.864</u>	<u>0.053</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - MODEL DIMENSIONAL DATA- Continued.

MODEL COMPONENT: OMS NOZZLES - N28

GENERAL DESCRIPTION: Configuration 140A '3 orbiter OMS Nozzles

MODEL SCALE: 0.030

DRAWING NUMBER: VL70-000140A (Location) / SS-A00106, Rel. 5 (Contour)

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
MACH NO.		
Length - In.		
Gimbal Point to Exit Plane		
Throat to Exit Plane		
Diameter - In.		
Exit		
Throat		
Inlet		
Area - ft ²		
Exit		
Throat		
Gimbal Point (Station) - In.		
Left Upper Nozzle		
X _o	<u>1518.00</u>	<u>45.54</u>
Y _o	<u>- 88.0</u>	<u>-2.64</u>
Z _o	<u>492.00</u>	<u>14.76</u>
Right Lower Nozzle		
X _o	<u>1518.00</u>	<u>45.54</u>
Y _o	<u>88.0</u>	<u>2.64</u>
Z _o	<u>492.00</u>	<u>14.76</u>
Null Position - Deg.		
Left Upper Nozzle		
Pitch	<u>15°49'</u>	<u>15°49'</u>
Yaw	<u>12°17'</u>	<u>12°17'</u>
Right Lower Nozzle		
Pitch	<u>15°49'</u>	<u>15°49'</u>
Yaw	<u>12°17'</u>	<u>12°17'</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: BSRM NOZZLE - N86

GENERAL DESCRIPTION: Booster solid rocket motor nozzles.

MODEL SCALE: 0.030

DRAWING NO.: VL70-000066

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Diameter, D_{ex} - In. (I.D.)	144.29	4.3287
Diameter, D_{ex} - In. (O.D.)	146.79	4.4037
Diameter, D_T - IN.		
Diameter, D_{in} - In.		
Area - Ft ²		
Max. Cross-sectional (I.D.)	113.553	0.102
Gimbal Origin:		
Left Nozzle		
X_o	1902.6	57.078
Y_o	-250.50	- 7.515
Z_o	400.0	12.00
Right Nozzle		
X_o	1902.6	57.078
Y_o	250.50	7.515
Z_o	400.0	12.00
Null Position: (Deg.)		
Left nozzle gimbal	± 8	± 8
Right nozzle gimbal	± 8	± 8

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ET PROTUBERANCE - PT₁₂

GENERAL DESCRIPTION: Lightning rod attached to ET nose.

MODEL SCALE: 0.030

DIMENSIONS:

	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length	30.90	0.927
Diameter - In.	3.20	0.096

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELECTRICAL LINE - PT₂₂

GENERAL DESCRIPTION: Left-hand electrical conduit line on T₂₂.

MODEL SCALE: 0.030.

DRAWING NUMBER: VL78-000063, -000062R

<u>DIMENSION:</u>		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1084.333</u>	<u>32.530</u>
	Y _T	<u>- 99.591</u>	<u>- 2.988</u>
	Z _T	<u>-139.620</u>	<u>- 4.189</u>
Trailing edge at:	X _T	<u>2058.000</u>	<u>61.740</u>
	Y _T	<u>- 99.591</u>	<u>- 2.988</u>
	Z _T	<u>- 139.620</u>	<u>- 4.189</u>
Conduit size:		<u>2.0 x 6.0</u>	<u>0.06 x 0.18</u>
Centerline of line located radially at $\theta = 35.5$ deg.		<u></u>	<u></u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: LO₂ RECIRCULATION LINE - PT₂₃

GENERAL DESCRIPTION: LO₂ recirculation line on right-hand upper side
side of T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL72-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1040.667	31.220
	Y _T	94.169	2.825
	Z _T	540.934	16.228
Trailing edge at:	X _T	2062.920	61.888
	Y _T	70.000	2.100
	Z _T	573.934	17.218
Diameter of line		4.0	0.120

Centerline of line located radially at $\theta = 33^{\circ}45'$
(Right of TDC looking forward)

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: LH₂ RECIRCULATION LINE - PT₂₄

GENERAL DESCRIPTION: LH₂ recirculation line on T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: V178-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	1040.667	31.220
	Y _T	- 94.169	- 2.825
	Z _T	540.934	16.228
Trailing edge at:	X _T	2062.920	61.888
	Y _T	- 70.00	-2.100
	Z _T	573.934	17.218
Diameter of line		4.00	0.120
Centerline of line located radially at $\theta = 33^{\circ}45'$ (Left of TDC looking forward)			

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELECTRICAL LINE - PT₂₅

GENERAL DESCRIPTION: Right-hand aft electrical conduit line on T₂₈ with
LH₂ pressure sensor line and LOX vent valve actuator line.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:

		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	<u>1084.333</u>	<u>32.530</u>
	Y _T	<u>99.591</u>	<u>2.988</u>
	Z _T	<u>139.620</u>	<u>4.189</u>
Trailing edge at:	X _T	<u>2058.000</u>	<u>61.74</u>
	Y _T	<u>99.591</u>	<u>2.988</u>
	Z _T	<u>139.620</u>	<u>4.189</u>
Line diameter		<u>2.0 x 6.0</u>	<u>0.06 x 0.18</u>
Centerline of line located radially at $\theta = 35.5^\circ$			

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: LO₂ PRESSURE LINE - PT₂₆

GENERAL DESCRIPTION: LO₂ pressure line on T₂₆.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000063, -000062B, Martin Marietta 82600207000

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	360.733	10.822
	Y _T	15.145	0.454
	Z _T	407.718	12.232
Trailing edge at:	X _T	2083.5	62.505
	Y _T	63.25	1.898
	Z _T	609.00	18.27
Centerline of line located radially at $\theta = 27^\circ$			
Line diameter		2.0	0.060

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: ELECTRICAL LINE - PT₂₇

GENERAL DESCRIPTION: Electrical conduit on the right-hand forward section of T₂₈.

MODEL SCALE: 0.030

DRAWING NO.: VL78-000062B

DIMENSIONS:		<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Leading edge at:	X _T	360.733	10.822
	Y _T	11.549	0.346
	Z _T	412.474	12.374
Trailing edge at:	X _T	876.273	26.288
	Y _T	226.114	6.783
	Z _T	646.774	19.403

Centerline of conduit located radially at $\phi = 47.5^\circ$

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (Identical to configuration 140A 'B' rudder).

MODEL SCALE: 0.030

DRAWING NUMBER: VI70-000146B. --000095

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>100.15</u>	<u>0.090</u>
Span (equivalent), In.	<u>201.0</u>	<u>6.03</u>
Inb'd equivalent chord, In.	<u>91.585</u>	<u>2.748</u>
Outb'd equivalent chord, In.	<u>50.833</u>	<u>1.525</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
(Product of area & c)		
Area Moment (Normal to hingeline), Ft. ³	<u>610.92</u>	<u>0.016</u>
Mean Aerodynamic Chord, In.	<u>73.2</u>	<u>2.196</u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR - S21

GENERAL DESCRIPTION: _____

MODEL SCALE: 0.030

DRAWING NUMBER VL72-000143D, VL77-000066

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (Includes nozzle), In.	<u>1789.40</u>	<u>53.682</u>
Max Width Tank Diameter, In.	<u>146.00</u>	<u>4.38</u>
Max Depth Aft shroud Dia., In.	<u>192.00</u>	<u>5.76</u>
Fineness Ratio	<u>9.3198</u>	<u>9.3198</u>
Area - Ft ²		
Max Cross-Sectional	<u>201.062</u>	<u>0.1809</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>
WP of BSRM centerline (Z _T)	<u>400.0</u>	<u>1.200</u>
FS of BSRM nose (X _T)	<u>743.0</u>	<u>22.29</u>
BP of BSRM centerline (Y _T)	<u>250.5</u>	<u>7.515</u>

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TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: EXTERNAL TANK - T₂₀

GENERAL DESCRIPTION: _____

NOTE: (Dimensions are to tank structural OML, TPS not included.)

MODEL SCALE: 0.030

DRAWING NUMBER VL72-000143D, VL78-000063

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length , In.	<u>1844.275</u>	<u>55.328</u>
Max Width Dia., In.	<u>331.00</u>	<u>9.93</u>
Max Depth	<u> </u>	<u> </u>
Fineness Ratio	<u>5.687</u>	<u>5.687</u>
Area - Ft ²		
Max Cross-Sectional	<u>594.678</u>	<u>0.053</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. - MODEL DIMENSIONAL DATA - Continued.

MODEL COMPONENT: VERTICAL - V₈

GENERAL DESCRIPTION: Configuration 140C orbiter vertical tail (identical to configuration 140A/B vertical tail)

MODEL SCALE: 0.030

DRAWING NUMBER: VL70-000140C, -000146B

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA		
Area (Theo) - Ft ²		
Planform	<u>413.253</u>	<u>0.372</u>
Span (Theo) - In.	<u>315.72</u>	<u>9.472</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.404</u>	<u>0.404</u>
Sweep-Back Angles, Degrees.		
Leading Edge	<u>45.000</u>	<u>45.000</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
0.25 Element Line	<u>41.13</u>	<u>41.13</u>
Chords:		
Root (Theo) WP	<u>268.50</u>	<u>8.055</u>
Tip (Theo) WP	<u>108.47</u>	<u>3.254</u>
MAC	<u>199.81</u>	<u>5.992</u>
Fus. Sta. of .25 MAC	<u>1463.35</u>	<u>43.901</u>
W.P. of .25 MAC	<u>635.52</u>	<u>19.066</u>
B.L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle - Deg.	<u>10.00</u>	<u>10.00</u>
Trailing Wedge Angle - Deg.	<u>14.92</u>	<u>14.92</u>
Leading Edge Radius	<u>2.00</u>	<u>0.060</u>
Void Area	<u>13.17</u>	<u>0.0019</u>
Blanketed Area	<u>0.0</u>	<u>0.0</u>

TABLE III. - MODEL DIMENSIONAL DATA - Concluded.

MODEL COMPONENT: WING-W₁₁₄

GENERAL DESCRIPTION: Configuration 4

NOTE: Identical to W₁₁₄ except airfoil thickness. Dihedral angle is along trailing edge of wing.

MODEL SCALE: 0.030

TEST NO.

DWG. NO. V170-000140A, -000200

DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATAArea (Theo.) Ft²

Planform

Span (Theo) In.

Aspect Ratio

Rate of Taper

Taper Ratio

Dihedral Angle, degrees

Incidence Angle, degrees

Aerodynamic Twist, degrees

Sweep Back Angles, degrees

Leading Edge

Trailing Edge

0.25 Element Line

Chords:

Root (Theo) B.P.0.0.

Tip, (Theo) B.P.

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

EXPOSED DATAArea (Theo) Ft²

Span, (Theo) In. BP108

Aspect Ratio

Taper Ratio

Chords

Root BP108

Tip 1.00 b

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

Airfoil Section (Rockwell Mod NASA)

XXXX-64

Root b =

Tip b =

Data for (1) of (2) Sides

Leading Edge Cuff

Planform Area Ft²

Leading Edge Intersects Fus M. L. @ Sta

Leading Edge Intersects Wing @ Sta

TABLE VI. ORBITER VERTICAL TAIL PRESSURE TAP
NUMBERS (LEFT SIDE ONLY)

Z _o	VERTICAL		η_v	X/CV									No. TAPS	TAPS
	FULL SCALE	MODEL SCALE		0	.025	.05	.15	.30	.52	.685	.775	.90		
550		16.5	.153	430	431	432	433	434	435	436	437		8	8
600		18.0	.316	438	439	440	441	442	443	444	445	446	9	17
690		20.7	.600	447	448	449	450	451	452	453	454	455	9	26
765		22.95	.840	456	457	458	459	460	461	462	463	464	9	35
792		23.76	.925	465	466	467	468	469	470	471	472	473	9	44

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TABLE VIII LEFT SRB PRESSURE TAP NUMBERS

NEW FWD LANDING AFT



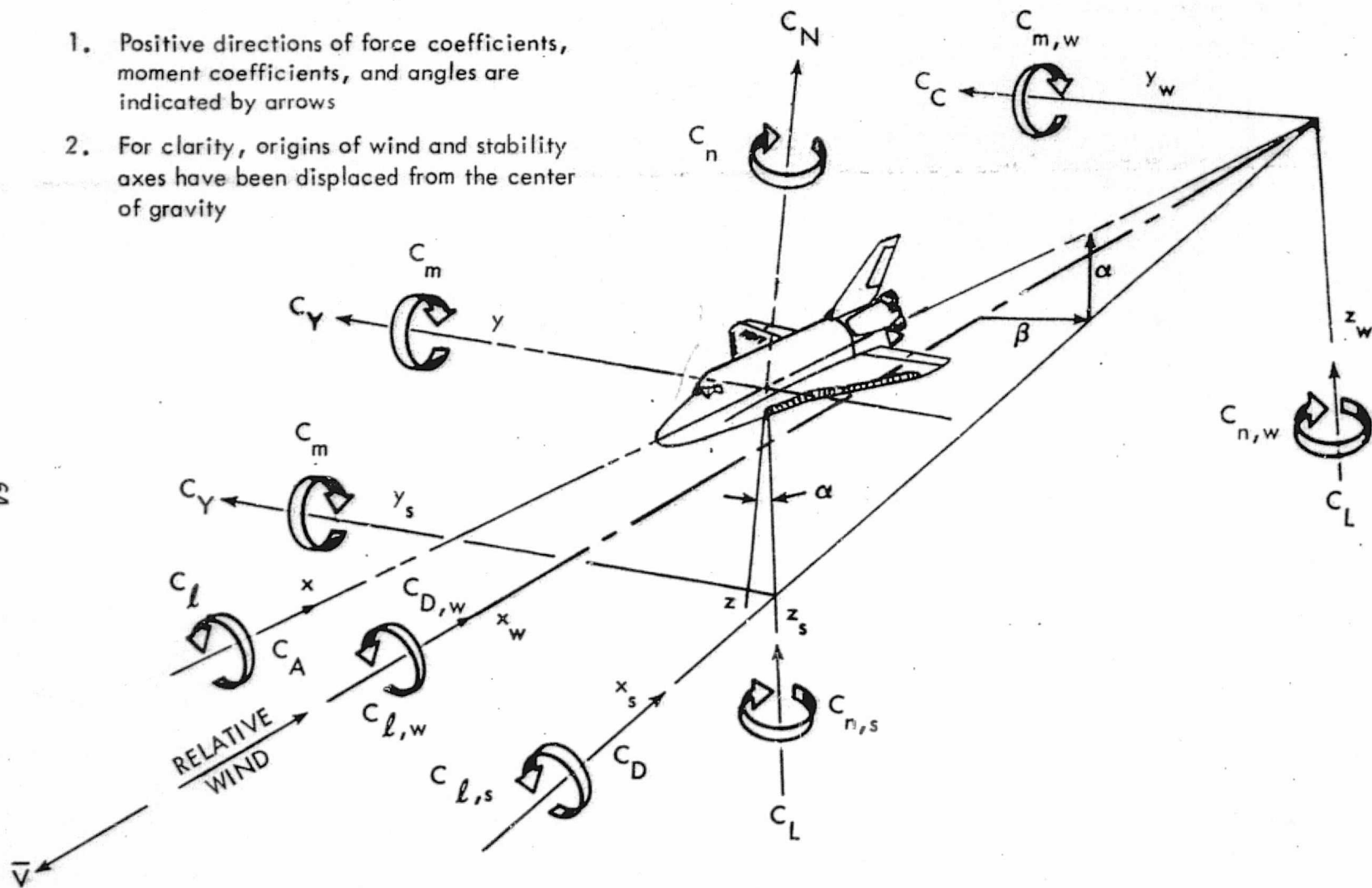
X_3 IN. FULL SCALE	X_3 IN. MODEL SCALE	X_3/L_3	ϕ - DEGREES										NO. TAPS	Σ NO TAPS
			0	45	90	135	180	225	270	315				
200	6	0	788										1	1
260	7.8	0.0335	789	790	791	792	793	794	795	796			8	9
370	11.1	0.0950	797	798	799	800	801	802	803	804			8	17
400	12.0	0.1118	805	806	807	808	809	810	811	812			8	25
450	13.5	0.1397	813	814	815	816	817	818	819	820			8	33
550	16.5	0.1956	821	822	823	824	825	826	827	828			8	41
700	21.0	0.2794	829	830	831	832	833	834	835	836			8	49
850	25.5	0.3632	837	838	839	840	841	842	843	844			8	57
1050	31.5	0.4250	845	846	847	848	849	850	851	852			8	65
1250	37.5	0.5867	853	854	855	856	857	858	859	860			8	73
1450	43.5	0.6985	861	862	863	864	865	866	867	868			8	81
* 1503	45.09	0.7280	869		870		871		872				4	85
* 1505	45.15	0.7290	873		874		875		876				4	89
* 1517	45.51	0.7360	877		878		879		880				4	93
* 1519	45.57	0.737	881		882		883		884				4	97
1650	49.5	0.8102	885	886	887	888	889	890	891	892			8	105
1750	52.5	0.8661	893	894	895	896	897	898	899	900			8	113
1840	55.2	0.9170	901	902	903	904	905	906	907	908			8	121
* 1850	55.5	0.9220	909		910		911		912				4	125
* 1852	55.56	0.9230	913		914		915		916				4	129
1890	56.7	0.9443	917	918	919	920	921	922	923	924			8	137
1930	57.9	0.9667	925	926	927	928	929	930	931	932			8	145
SLUR BACK			933		934				935				3	148
NOZZLE BASE E			936										1	149

$L_3 = 1789.60$ IN.

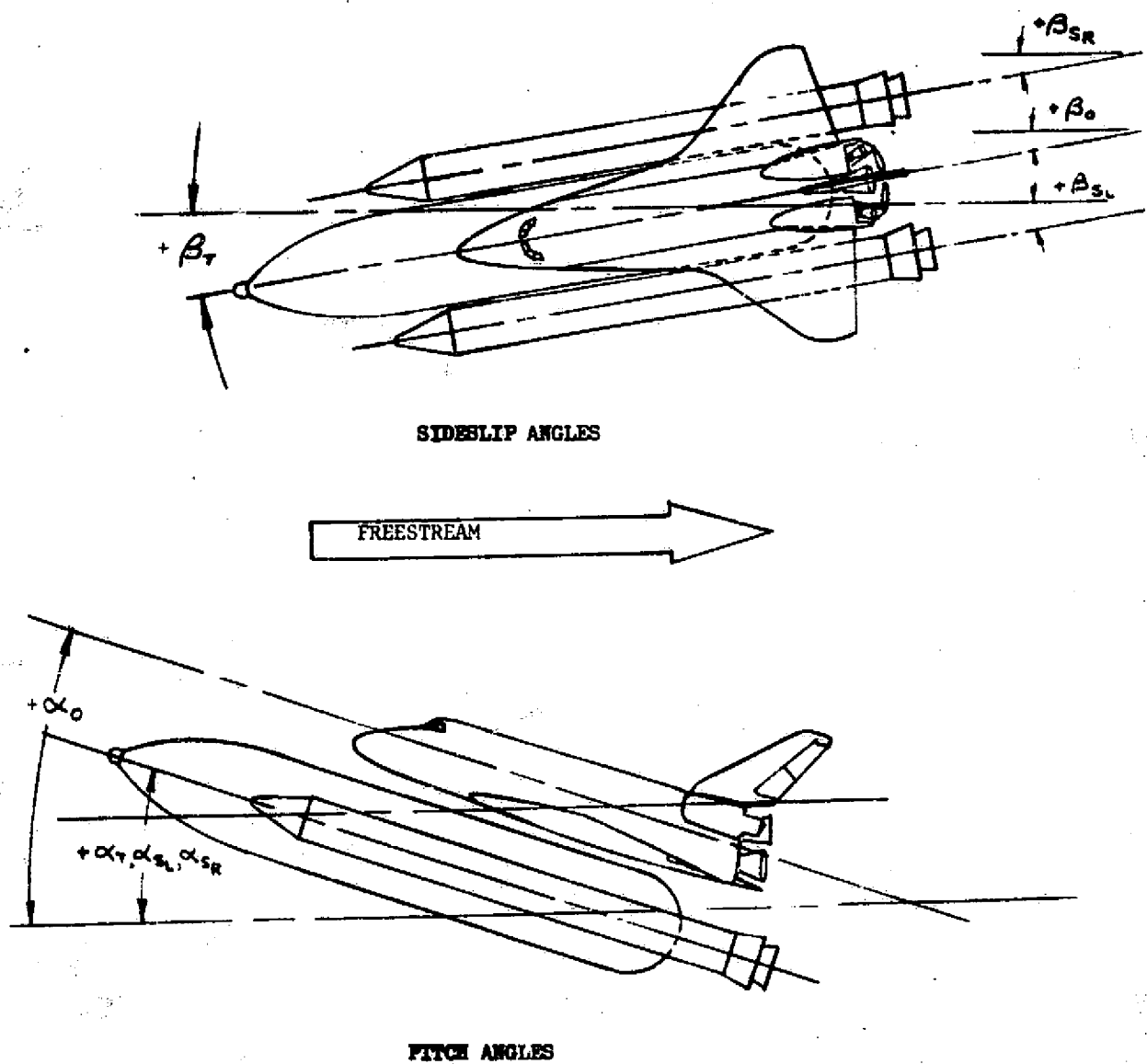
* PRESSURE TAPS AT 77.5 IN. RADIUS ON THE STRUCTURAL RINGS

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



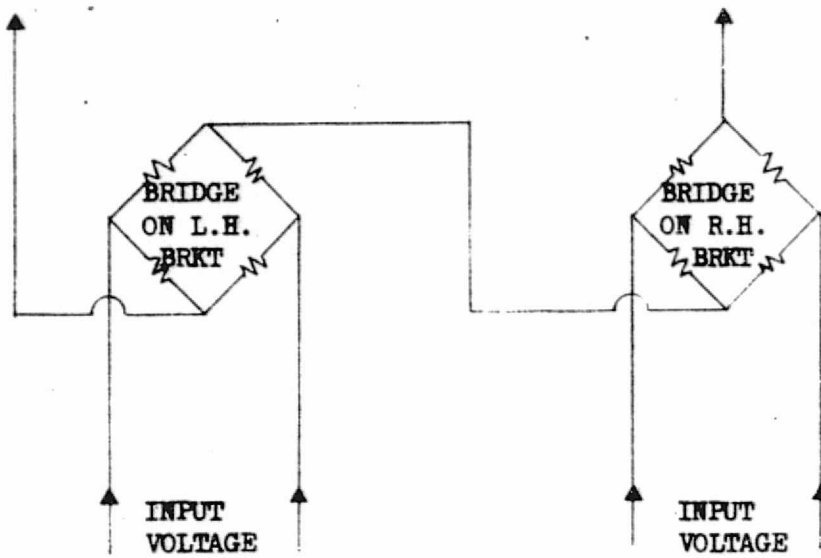
a. Forces and Moments
Figure 1. - Axis Systems.



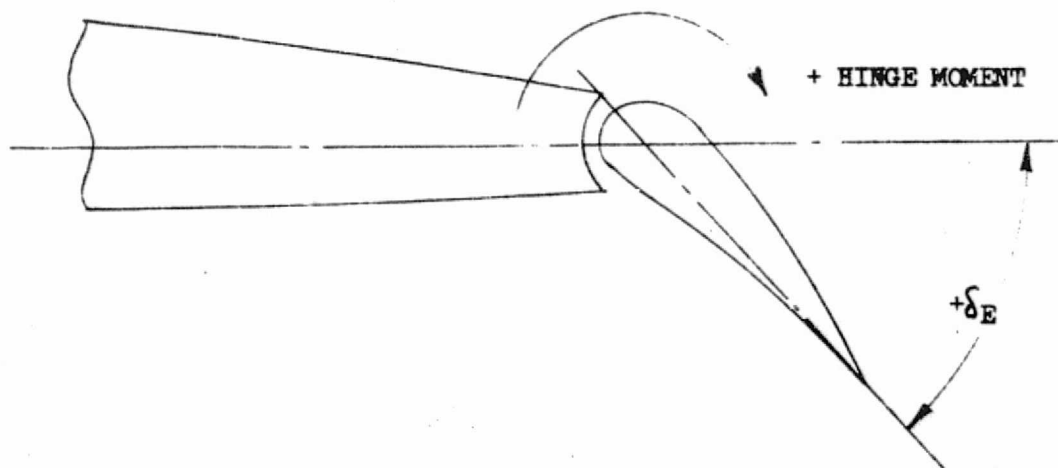
b. Model Attitude Definition

Figure 1. - Continued.

OUTPUT VOLTAGE



ELEVON HINGE MOMENT WIRING DIAGRAM
TYPICAL FOR INBOARD AND OUTBOARD ELEVONS



c. Elevon Electrical Hookup and Sign Conventions

Figure 1. - Concluded.

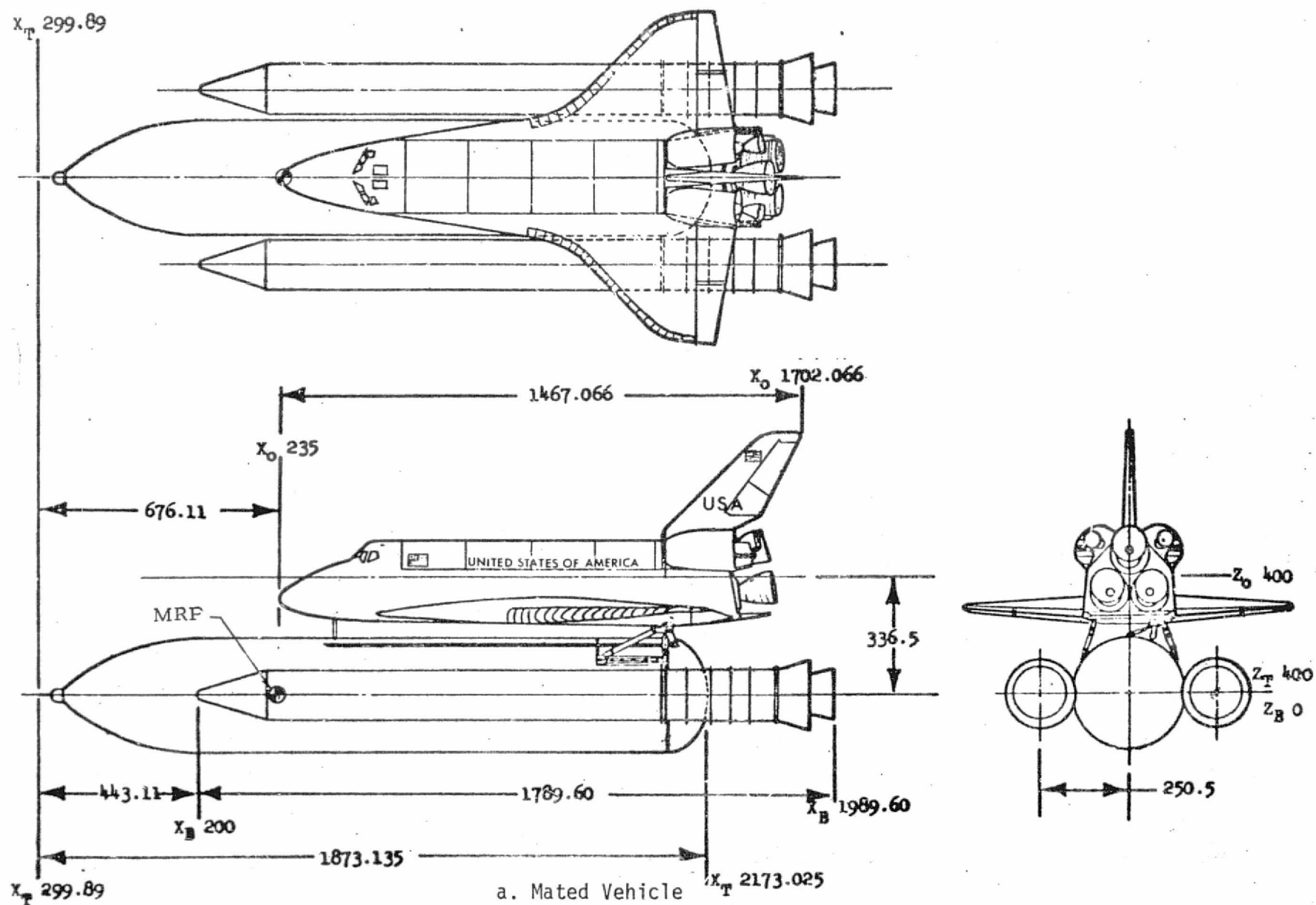
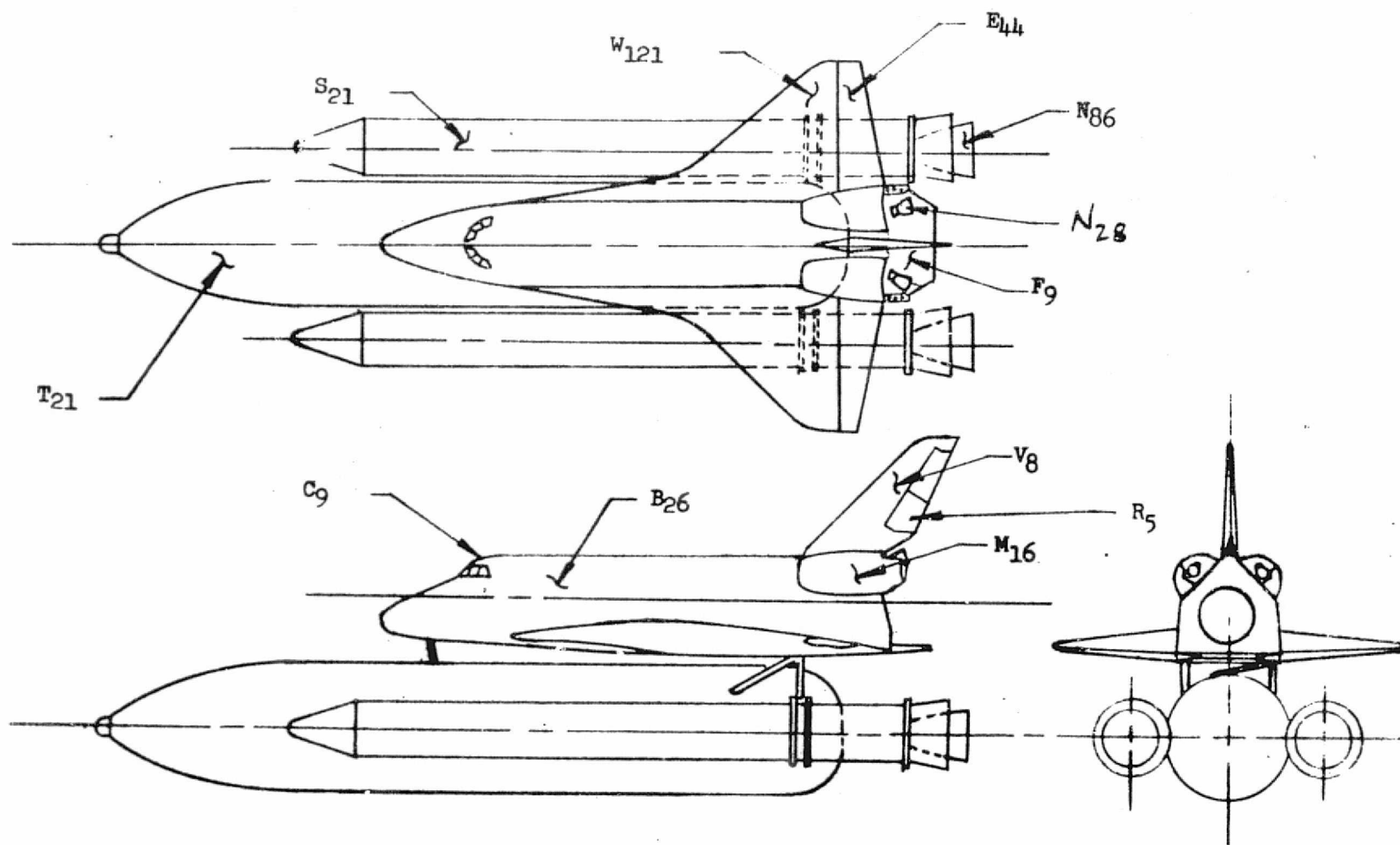
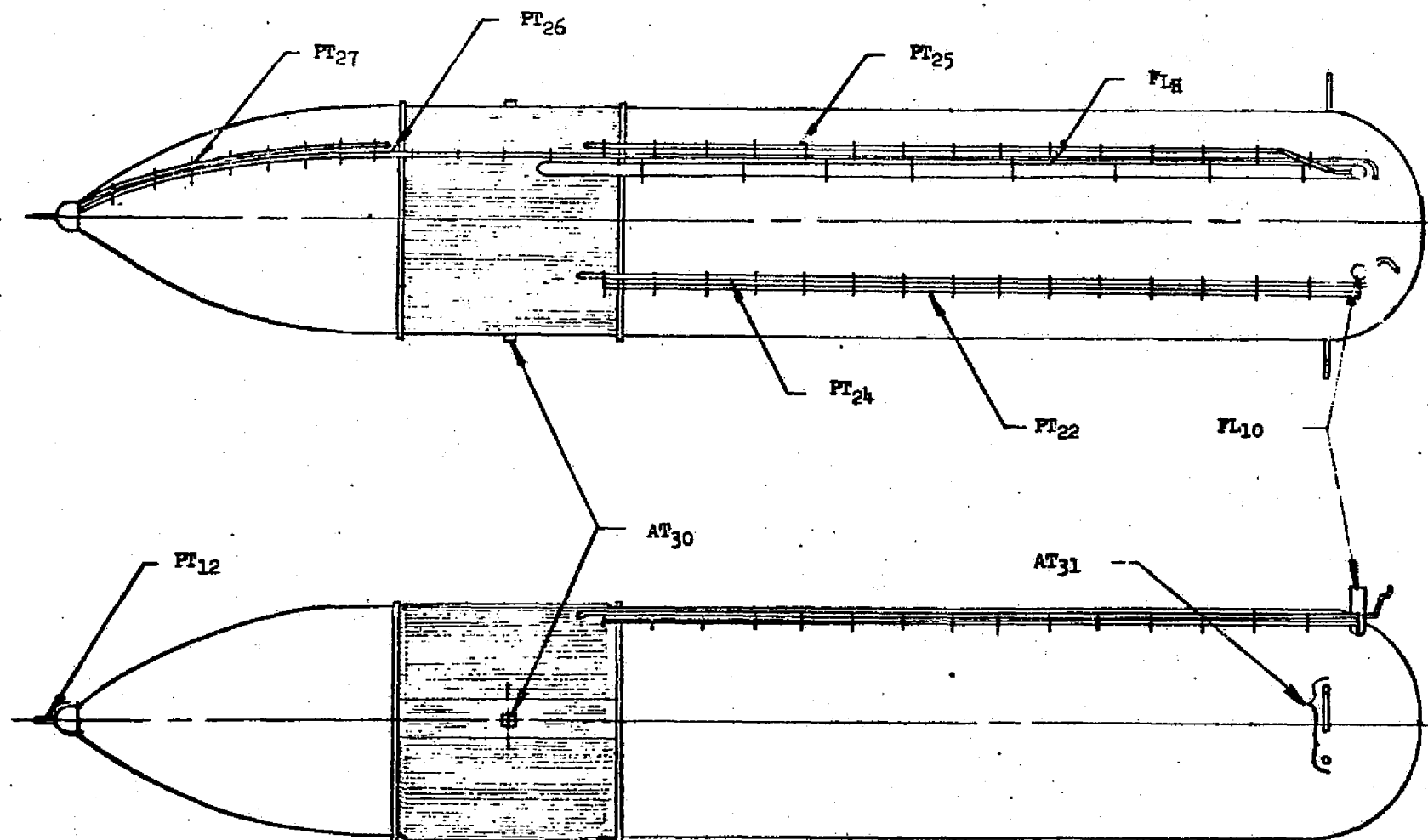


Figure 2. - Model sketches.



b. LVA Integrated Vehicle Three View

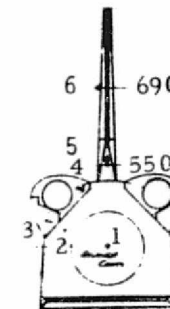
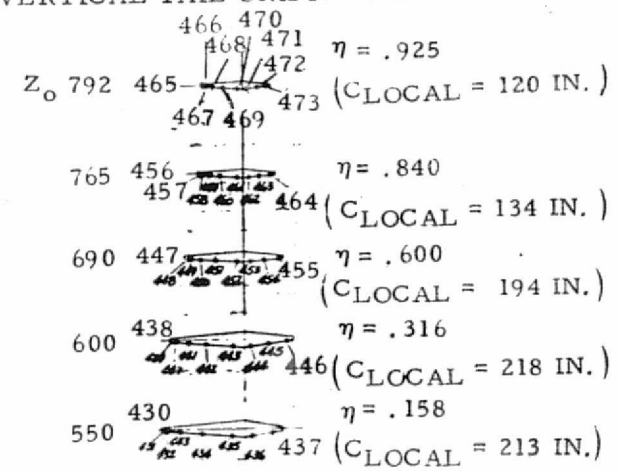
Figure 2. - Continued.



c. (T₂₈) External Tank Protuberances

Figure 2. - Continued.

VERTICAL TAIL ORIFICE LOCATION

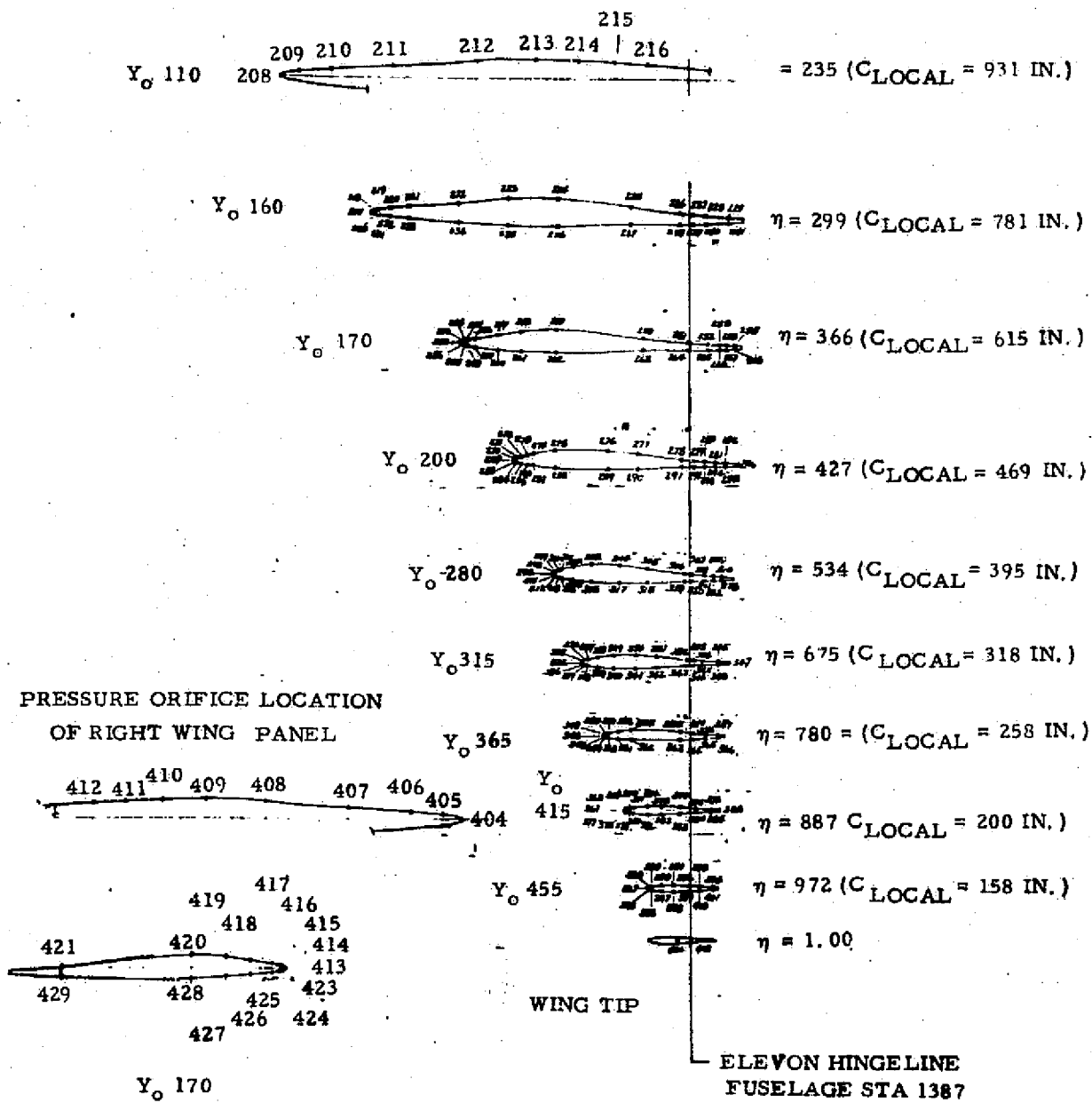


ORBITER BASE
VIEW LOOKING FORWARD

d. Orbiter Upper Wing and Vertical Tail Pressure Tap Locations

Figure 2. - Continued.

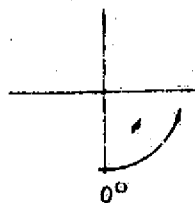
PRESSURE ORIFICE LOCATION OF LEFT WING PANEL



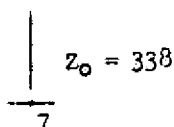
e. Orbiter Wing Pressure Tap Locations

Figure 2. - Continued.

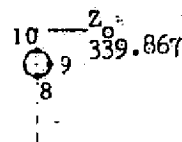
FUSELAGE ORIFICE LOCATION
NOTE:
VIEW LOOKING AFT



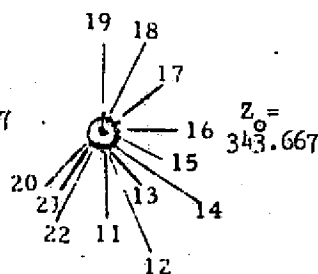
FUS STA 235



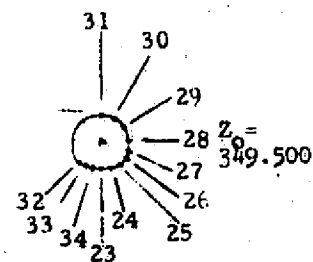
FUS STA 245



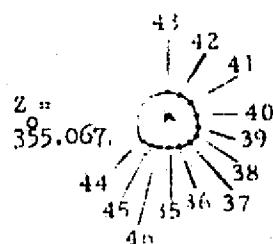
FUS STA 265



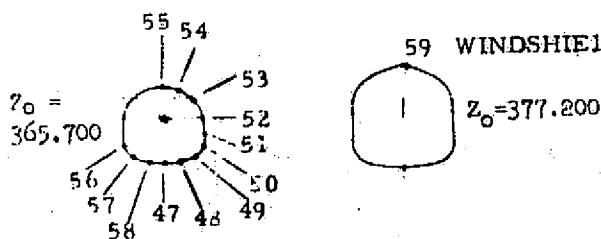
FUS STA 295



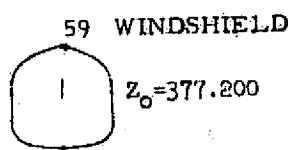
FUS STA 325



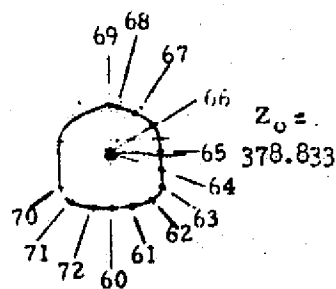
FUS STA 380



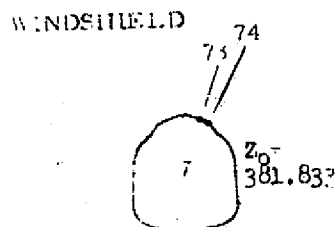
FUS STA 440



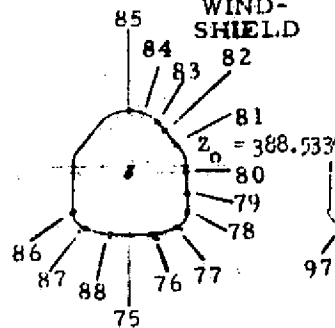
FUS STA 450



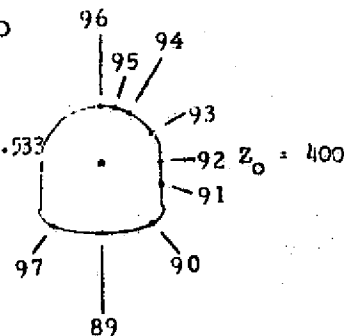
FUS STA 465



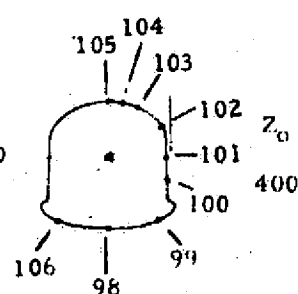
FUS STA 500



FUS STA 560



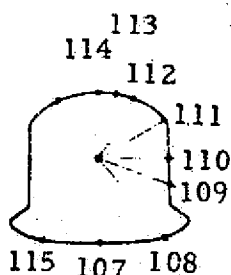
FUS STA 625



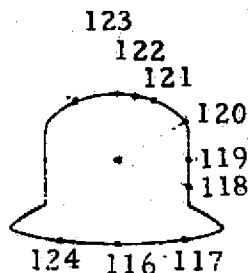
f. Orbiter Forward Fuselage Pressure Tap Locations

Figure 2. - Continued.

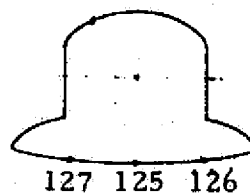
FUS STA



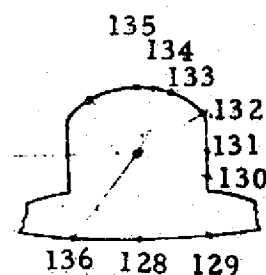
FUS STA



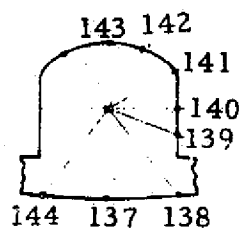
FUS STA 980



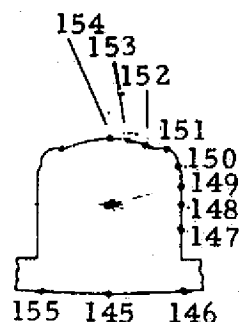
FUS STA 1080



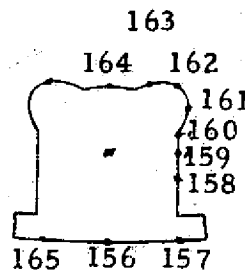
FUS STA 1180



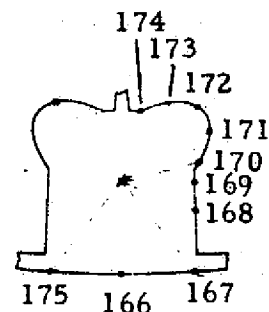
FUS STA 1245



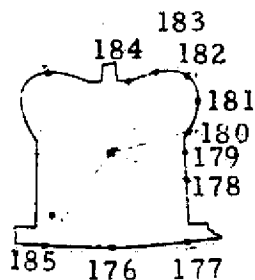
FUS STA 1300



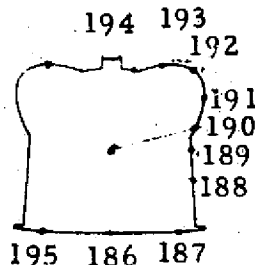
FUS STA 1375



FUS STA 1430



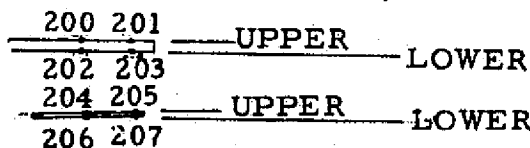
FUS STA 1480



BODY FLAP

FUS STA 1830

FUS STA 555

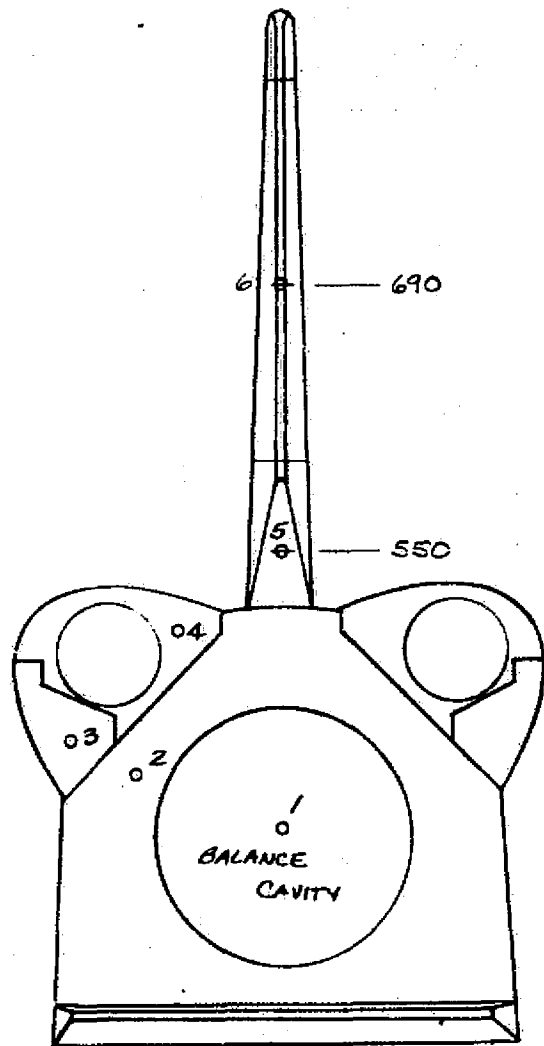


197, 199, 196, 198 Z₀ 400

FUS STA 590

g. Orbiter Aft Fuselage Pressure Tap Locations

Figure 2. - Continued.



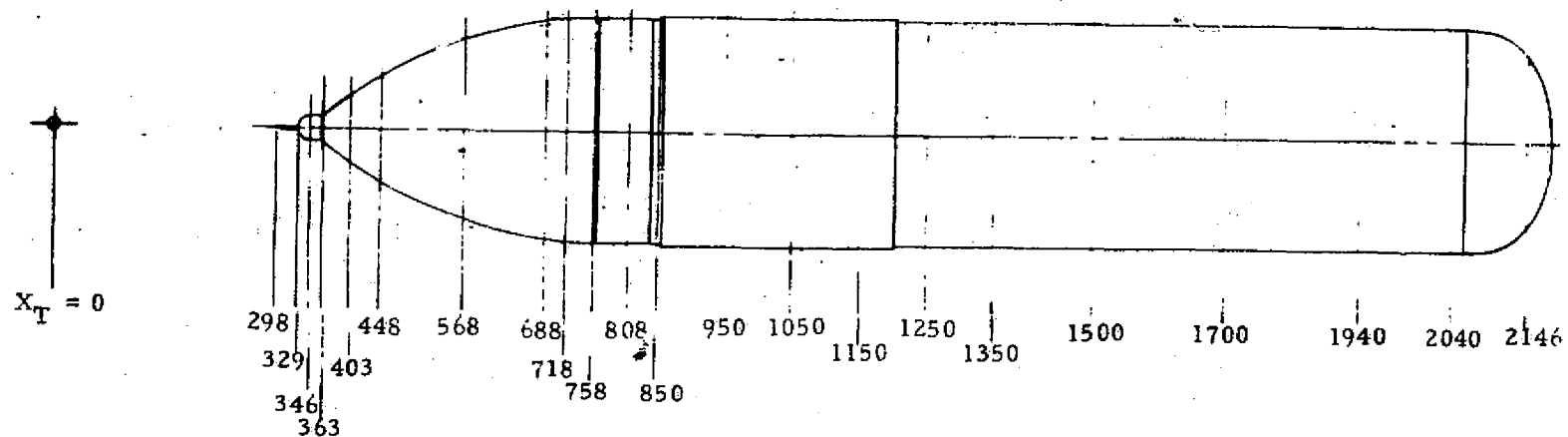
ORBITER BASE PRESSURE TAPS

BODY FLAP PRESSURE TAP NUMBERS

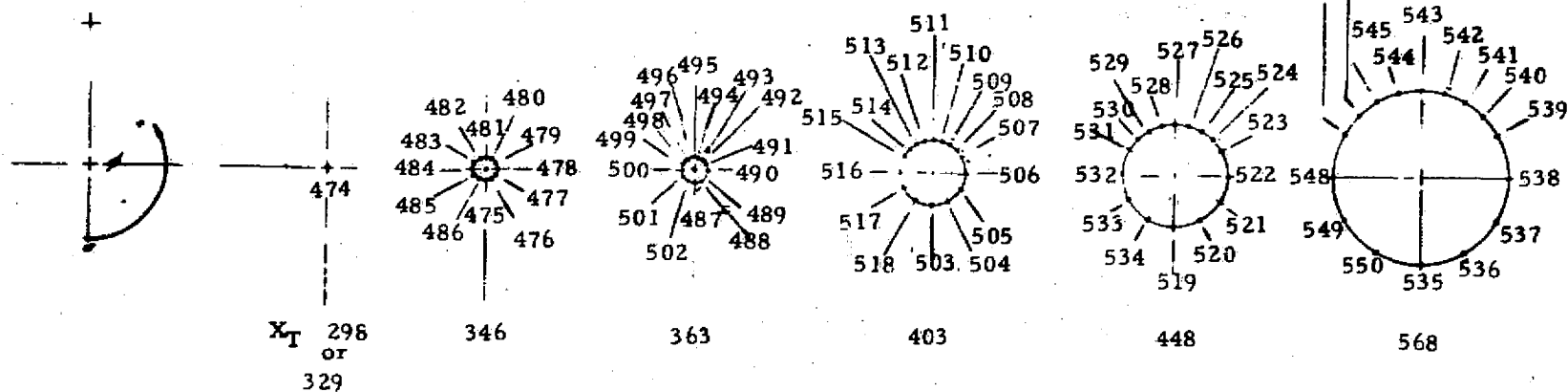
ORBITER ~ X ₀		φ ~ 056.		NO. TAPS	Σ NO. TAPS
FULL SCALE	MODEL SCALE	X ₀ /L ₀	0	40	
1555 _U	46.65		200	201	2
1555 _L	46.65		202	203	2
1590 _U	47.70		204	205	2
1590 _L	47.70		206	207	2

h. Orbiter Base Pressure Tap Locations

Figure 2. - Continued.

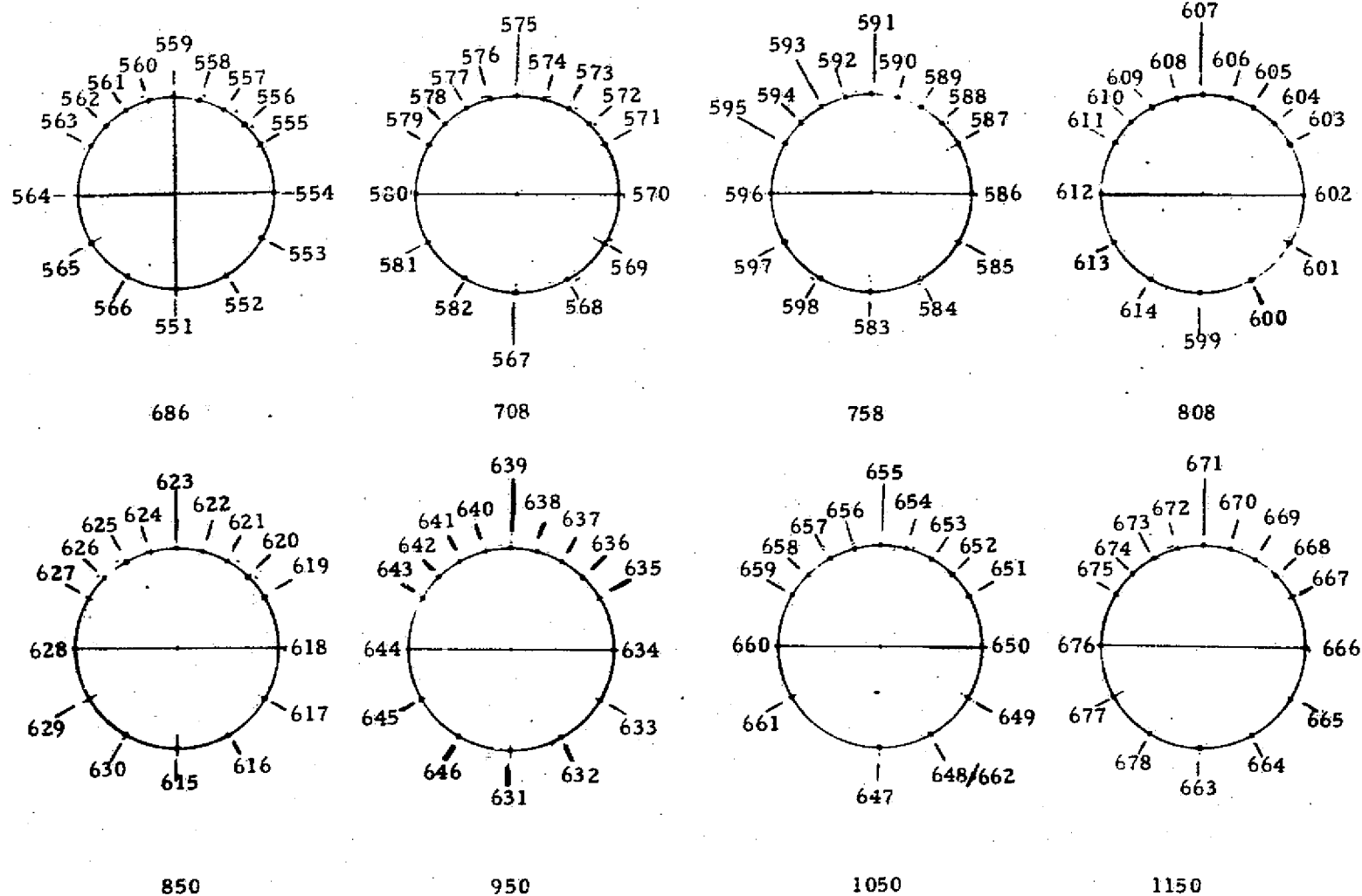


VIEW FORWARD
LOOKING AFT



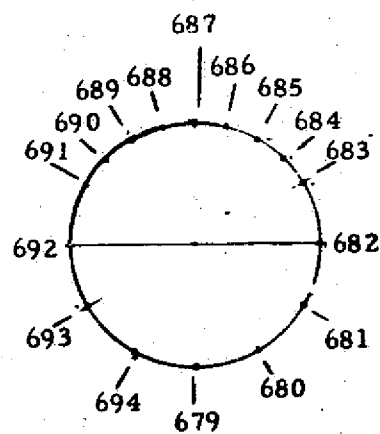
i. External Tank Forward Pressure Tap Locations

Figure 2. - Continued.

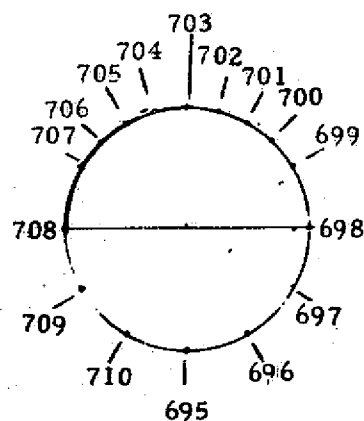


j. External Tank Mid Pressure Tap Locations

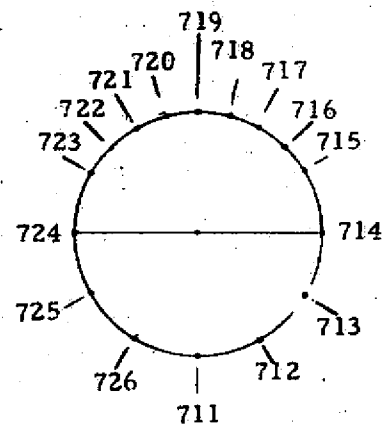
Figure 2. - Continued.



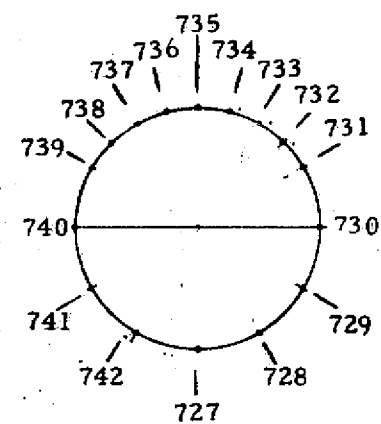
1250



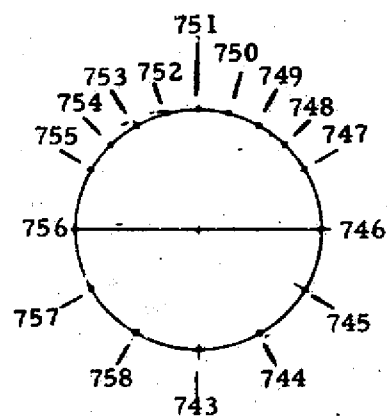
1350



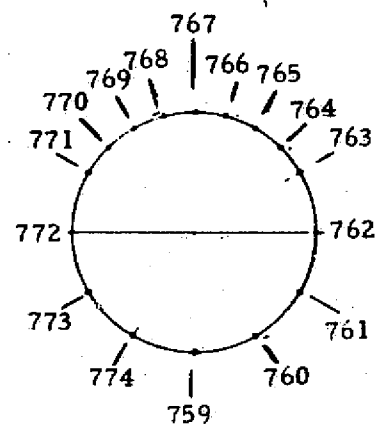
1500



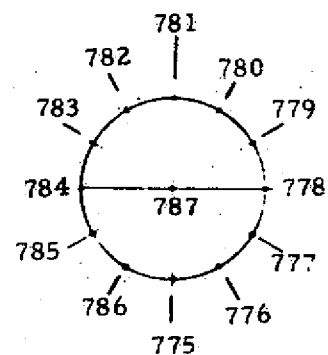
1700



1900

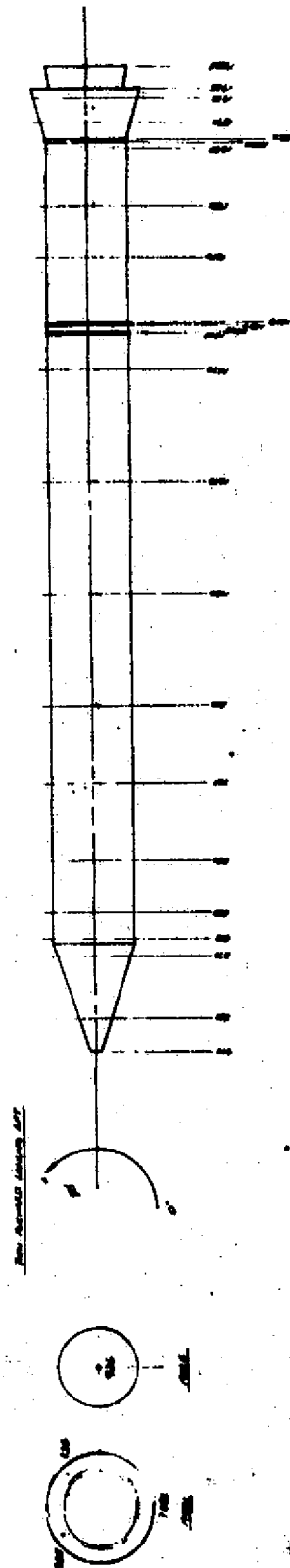
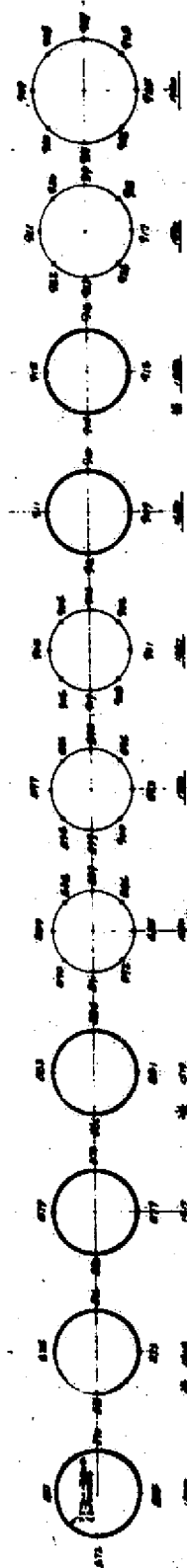
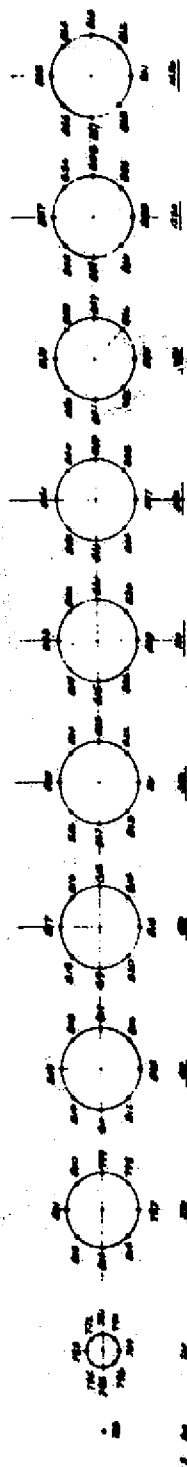


2040



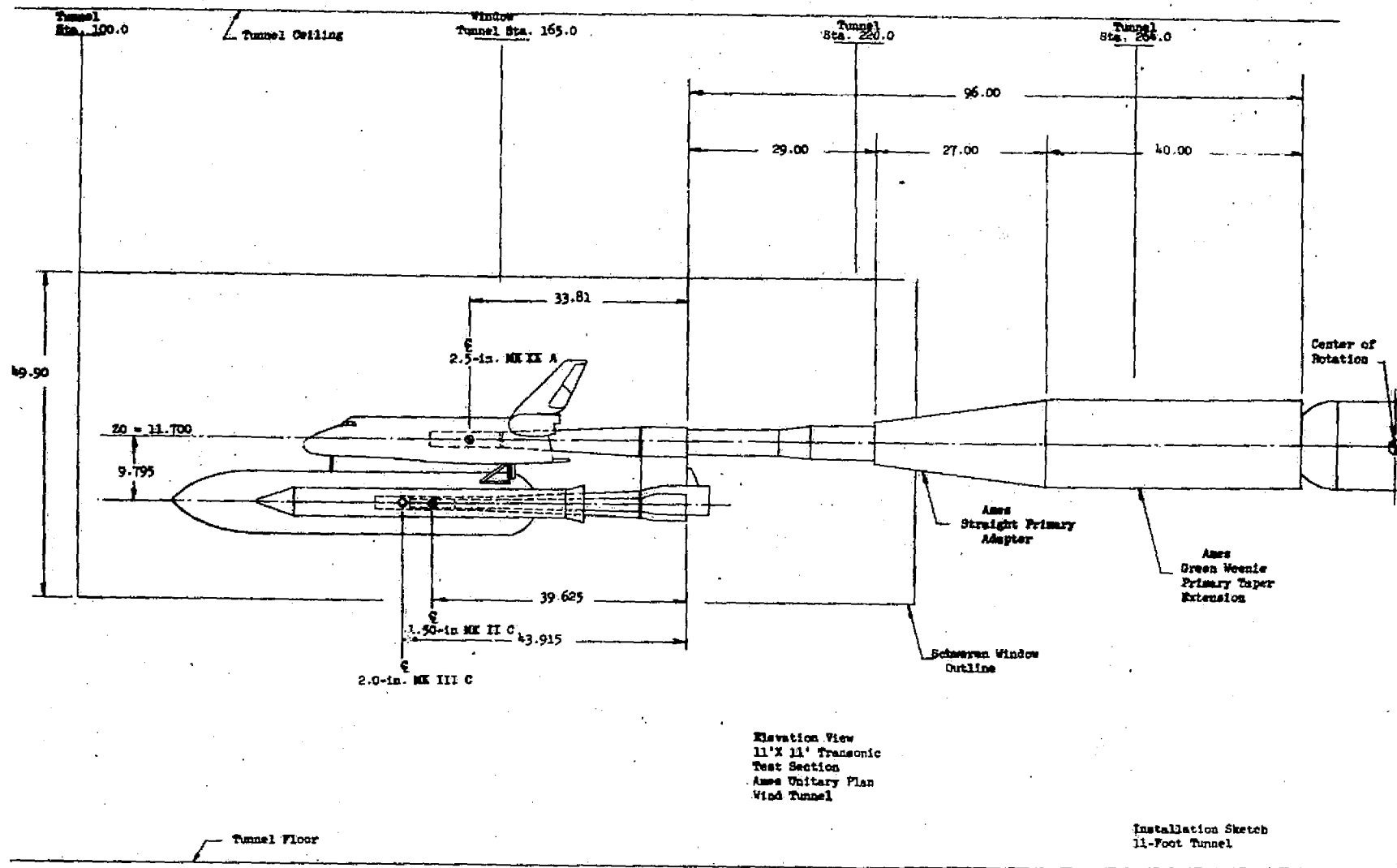
k. External Tank Aft Pressure Tap Locations

Figure 2. - Continued.



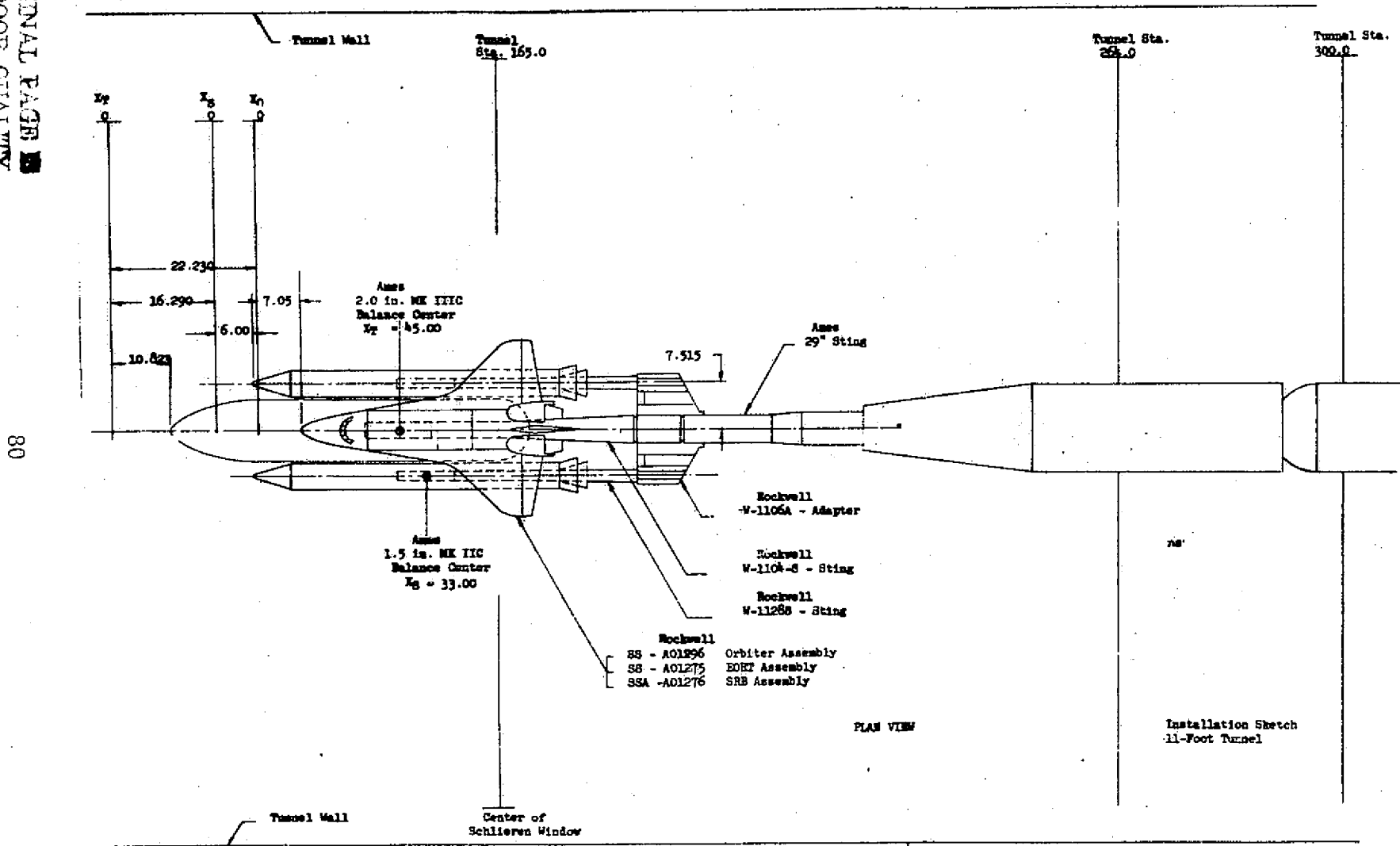
1. SRB Pressure Tap Locations

Figure 2. - Continued.



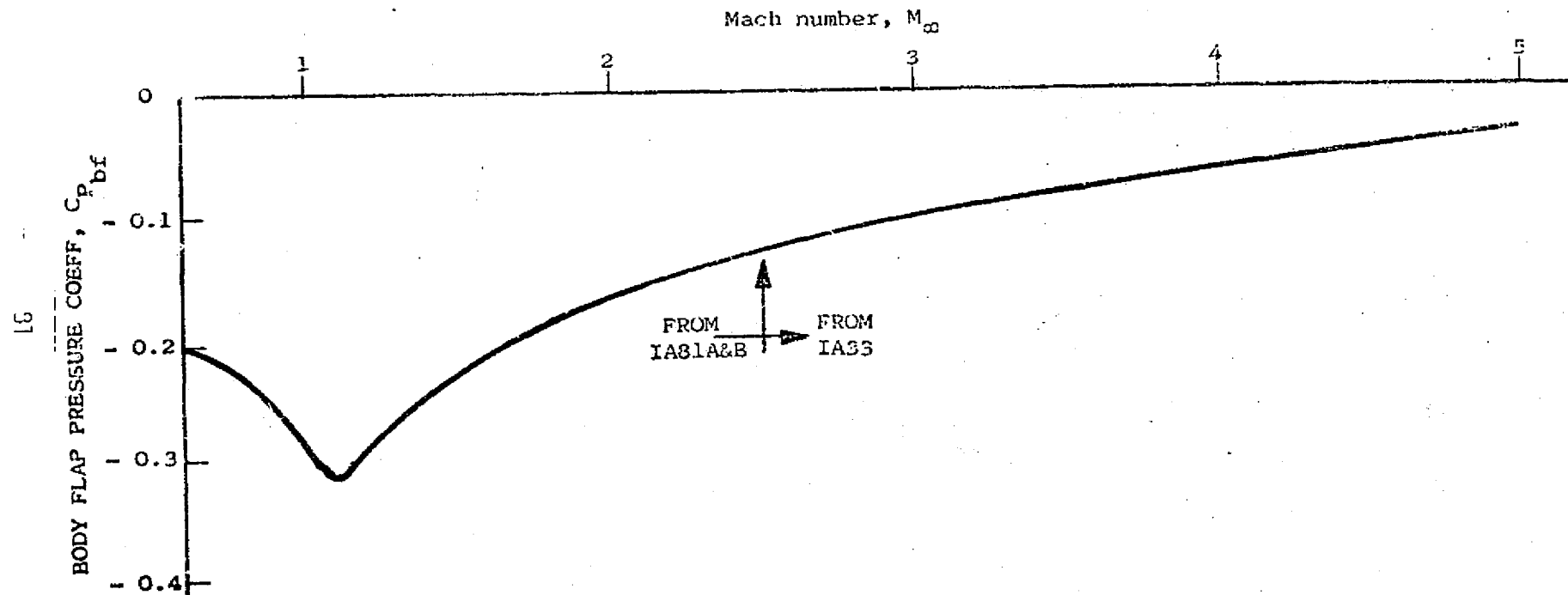
m. Model Installation Side View

Figure 2. - Continued.



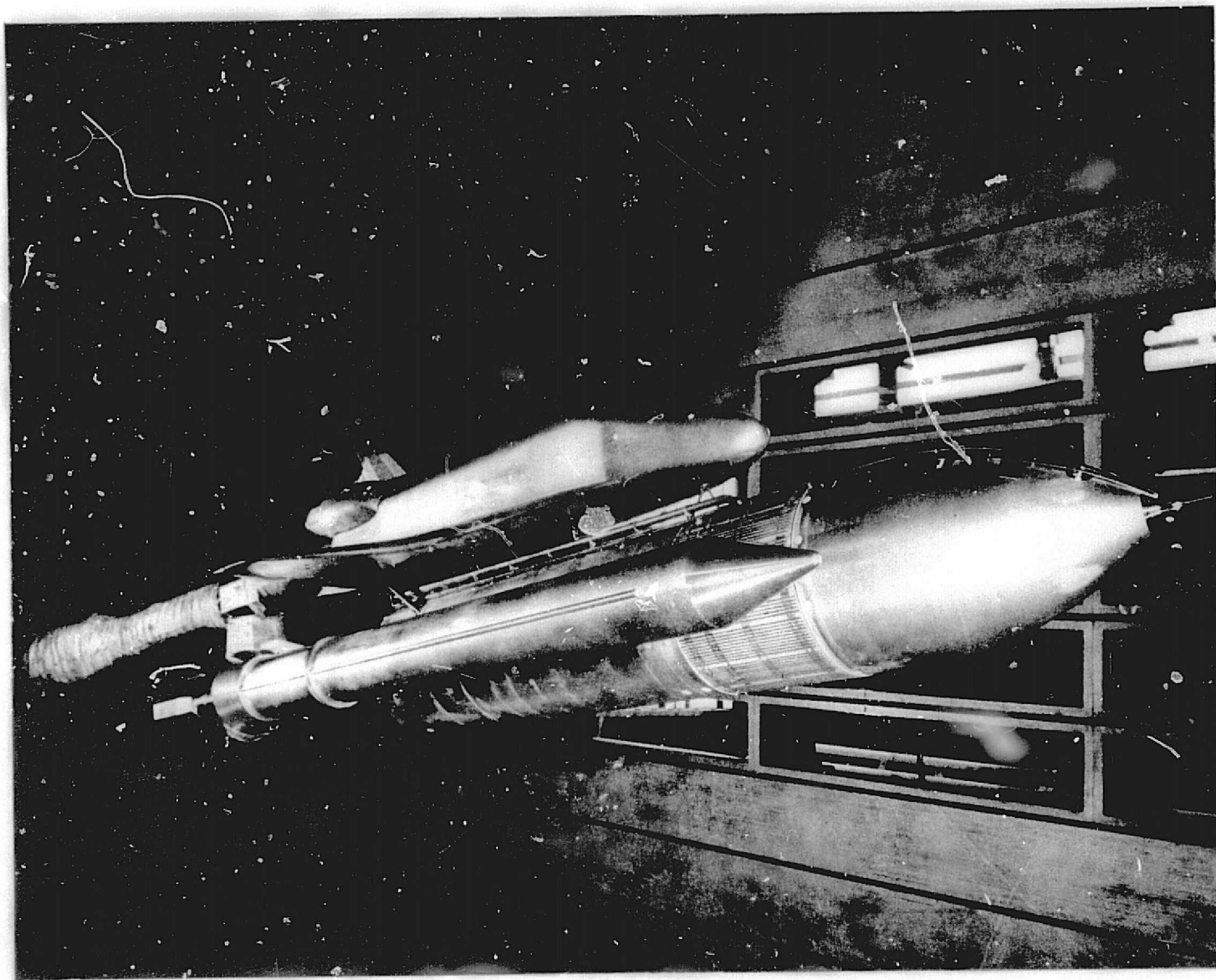
n. Model Installation Top View

Figure 2. - Continued.



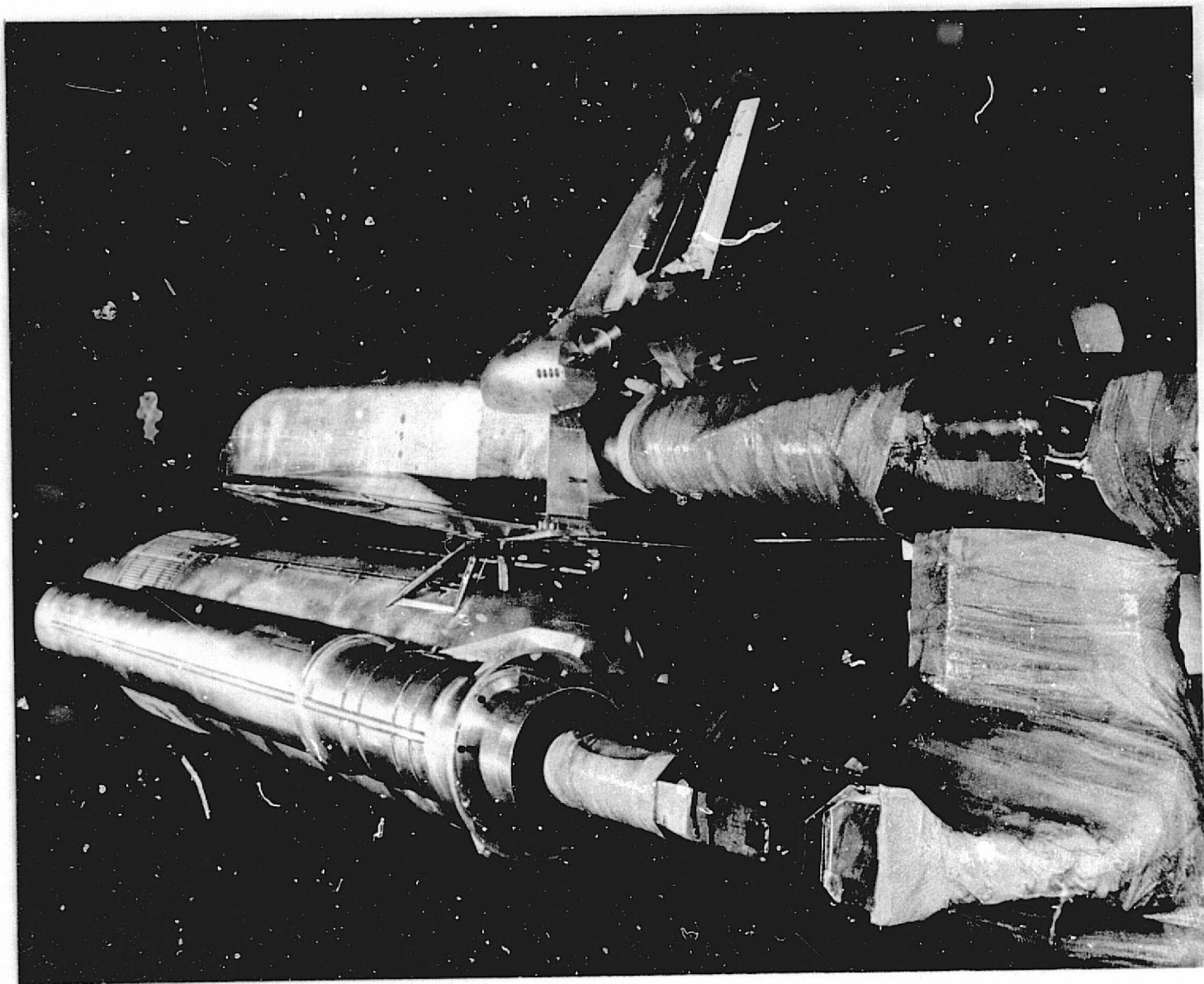
o. Orbiter Body Flap Pressure Coefficients

Figure 2. - Concluded.



a. Side View

Figure 3. - Model photographs.



b. Rear View

Figure 3. - Concluded.

APPENDIX
TABULATED SOURCE DATA

Tabulations of plotted data are available on request from
Data Management Services

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ARC11-019 IAB1 LVAP(SBHL UNSEALD) LEFT WING BOT.

(RETL01) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 3.000
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPOBRK = 55.000

BETA0 (1) = .005 ALPHA0(1) = -6.286

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2251	-.0653	.3351	.4739	.3573	.2907	.2979	-.1132	
.010	-.2552	-.0215	.1596	-.5341	-.7793	-.6626	-.4295		
.020	-.2990	.0099	.0000	-.5402	-.7775	-.6692	-.4260	-.1210	
.040		.0398	-.0129						
.050	-.1575			-.3204	-.7328	-.6527	-.4055		
.069								-.1320	
.080				-.2308					
.081			-.0448						
.086		.1322							
.094	-.2723								
.150				-.10	-.1910	.0000	-.4346		
.157								-.1511	
.163		.1244							
.177			-.0265						
.229	-.0188								
.246		.0278							
.250				-.0237	-.0422	-.1486	-.4344		
.274			.0496						
.345								-.1903	
.362	.0000								
.390		.0927							
.400				.1462	.1744		-.2700		
.402			.1023						
.418								-.1389	
.497	.0919								
.503								-.2453	
.550				.1263	.0563				
.565			.1303						
.600							-.0337		
.637		.1187							
.650						-.1302			
.670							-.4075		
.700	.1483				-.2131				
.725				-.2516					
.730								-.2282	
.750						-.2290	-.2677		
.760			-.3539						
.775				-.4162	-.4093				

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DATE 20 OCT 75

IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 617

ARC11-019 IAB1 LVAP(SBHL UNSEALED) LEFT WING BOT.

(RETL01)

BETA0 (1) = .005 ALPHA0(1) = -6.286

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.798		-.2956							
.808			-.5001						
.834	-.3523								
.839		-.4778							
.850				-.6296	-.4950	-.4991			
.857			-.6025						
.862								-.3948	
.865	-.4414								
.879		-.5490							
.900	-.4447			-.4224			-.4857		
.905			-.6904						
.919		-.5621							
.950				-.3496	-.4650	-.6418			
.953			-.3812						
.955		-.4153							
.965	-.5768								
1.000			-.2525	-.3505		-.4138			

BETA0 (1) = -.006 ALPHA0(2) = -4.148

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2180	-.0266	.3887	.5306	.4184	.3610	.3834	-.1173	
.010	-.2437	.0183	.2686	-.3898	-.6329	-.5910	-.3564		
.020	-.2828	.0415	.0000	-.3406	-.6172	-.6241	-.2803	-.0889	
.040		.0598	.0723						
.050	-.1496			-.2196	-.5566	-.5882	-.3049		
.069								-.1013	
.080				-.1423					
.081			.0193						
.086		.1698							
.094	-.2683								
.150				-.0413	-.1075	.0000	-.2991		
.157								-.1036	
.163		.1592							
.177			.0330						
.229	.0056								
.246		.0683							
.250				.0170	.0724	.1571	-.2219		
.274			.0876						
.345								-.1439	
.362	.0000								

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ARC11-019 IAB1 LVAP(SBHL UNSEALD) LEFT WING BOT.

(RETL01)

BETA0 (1) = -.006 ALPHA0(2) = -4.148

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.1279							
.400				.1828	.1924		.1023		
.402			.1544						
.497	.1171								-.1502
.503								-.2178	
.550				.1448	.0708				
.565			.1536						
.620							-.1112		
.630		.1398				-.1187			
.670								-.3242	
.700	.1668				-.2041				
.725				-.2389					
.730									-.1809
.750						-.2448	-.3095		
.760			-.3412						
.775				-.4032	-.3983				
.798		-.2857							
.808			-.4888						
.834	-.3301								
.839		-.4662							
.850				-.6238	-.4743	-.4967			
.857			-.5875						
.862								-.3268	
.865	-.4188								
.879		-.5367							
.900	-.4358			-.4086			-.5081		
.905			-.6617						
.919		-.5506							
.950				-.3328	-.5120	-.6452			
.953			-.3699						
.955		-.3681							
.965	-.5526								
1.000			-.2354		-.3512		-.3581		

TABLE - PRESSURE SOURCE DATA TABULATION



(RETLO1)

(RETLO1)

DEPENDENT VARIABLE CP

DEPENDENT VARIABLE CP

X/CW

X/CW

ARC11-019 IAB1 LVAP(SBHL UNSEALED) LEFT WING BOT.

(RETL01)

BETA0 (1) = -.021 ALPHA0(3) = -2.025

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.865	-.4186									
.879		-.5571								
.900	-.4391				-.4285			-.5450		
.905			-.6724							
.919		-.5682								
.950				-.3407	-.6337	-.6635				
.953			-.3880							
.955		-.3449								
.965	-.5351									
1.000			-.2543		-.3778		-.3649			

BETA0 (1) = -.030 ALPHA0(4) = .092

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2414	-.0534	.4321	.6128	.5597	.5510	.5573	-.0059		
.010	-.1918	-.0144	.4090	.0927	-.0738	-.0631	.0593			
.020	-.1362	.0409	.0000	.0107	-.0428	-.0311	-.0352	.0342		
.040		.0851	.2318							
.050	-.1679			.0454	-.0251	.0145	.0408			
.069				.0683				-.0079		
.080										
.081			.1436							
.086		.2208								
.094	-.1762									
.150				.1280	.1540	.0000	.0962			
.157								-.0246		
.163		.2371								
.177			.1442							
.229	.0219									
.246		.1562								
.250				.1947	.1979	.1813	.0887			
.274			.1863							
.345								-.0938		
.362	.0000									
.390		.2106								
.400				.2544	.2270		.0783			
.402			.2492							
.418									-.4145	
.497	.1928									
.503										-.1666
.550				.1814	.0961					

DATE 20 OCT 75

IA81A - PRESSURE SOURCE DATA TABULATION

PAGE 621

ARC11-019 IA81 LVAP(SBHL UNSEALED) LEFT WING BOT.

(RETL01)

BETA0 (1) = -.030 ALPHA0(4) = .092

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.1960						
.600							-.1336		
.637		.1873							
.650						-.1165			
.670								-.3622	
.700	.2280				-.1969				
.725				-.2056					
.730									-.7987
.750						-.2613	-.3257		
.760			-.3569						
.775				-.3783	-.3904				
.798		-.3683							
.808			-.5524						
.834	-.3233								
.839		-.4686							
.850				-.6256	-.4228	-.4996			
.857			-.6192						
.862								-.5167	
.865	-.4169								
.879		-.5579							
.900	-.4353			-.4232			-.5442		
.905			-.5591						
.919		-.5800							
.950				-.3338	-.7032	-.6469			
.953			-.3837						
.955		-.3281							
.965	-.5023								
1.000			-.2626		-.3815		-.3125		

BETA0 (1) = -.026 ALPHA0(9) = 2.226

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2076	-.1318	.4098	.6293	.6007	.5874	.5441	-.0784	
.010	-.1519	-.0807	.4447	.2740	.1754	.2491	.3064		
.020	-.1246	.0216	.0900	.1721	.1693	.1800	.1941	.0020	
.040		.0701	.3024						
.050	-.1625			.1585	.1340	.1638	.1784		
.069								-.0051	
.080				.1593					
.081			.2091						
.086		.2359							

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ARC11-019 1A81 LVAP(SBHL UNSEALED) LEFT WING BOT.

(RETL01)

BETA0 (1) = -.026 ALPHA0(5) = 2.226

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	-.1229					
.150			.1968	.2104	.0000	.1544
.157						-.0277
.163	.2708					
.177		.2014				
.229	.0286					
.246	.1933					
.250			.2324	.2372	.2200	.1158
.274		.2259				
.345						-.0951
.362	.0000					
.390	.2408					
.400			.2679	.2405		.0871
.402		.2703				
.418						-.6116
.497	.2190					
.503						-.1625
.550			.1832	.1048		
.565		.2009				
.600						-.1278
.637	.1913					
.650					-.0663	
.670						-.3658
.700	.2385			-.1949		
.725			-.2025			
.730						-.8727
.750					-.2442	-.3090
.760		-.3573				
.775			-.3778	-.3862		
.798	-.4041					
.808		-.5631				
.834	-.3225					
.839	-.4772					
.850			-.6196	-.4229	-.4904	
.857		-.6299				
.862						-.5252
.866	-.4153					
.879	-.5446					
.900	-.4258		-.3943			-.5409
.905		-.4356				
.919	-.5257					
.950			-.3246	-.6864	-.6407	
.953		-.3701				
.955	-.2942					
.965	-.4533					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL UNSEALED) LEFT WING BOT.

(RETL01)

BETA0 (1) = -.026 ALPHA0(5) = 2.226

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH	1.000		-.2841		-.3621		-.3982		

BETA0 (1) = -.018 ALPHA0(5) = 4.337

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH	.000	-.2192	-.2358	.3597	.6181	.6008	.5789	.4990	-.2254
	.010	-.1585	-.1714	.4558	.3607	.3607	.4409	.4644	
	.020	-.1335	-.0227	.0000	.3028	.3199	.3470	.3550	-.0654
	.040		.0385	.3592					
	.050	-.1415			.2504	.2529	.2847	.2911	
	.069								-.0253
	.080			.2327					
	.081			.2594					
	.086		.2458						
	.094	-.0969							
	.150			.2544	.2696	.0000	.2102		
	.157								-.0352
	.163		.3026						
	.177		.2403						
	.229	.0363							
	.246		.2261						
	.250			.2676	.2679	.2563	.1558		
	.274		.2577						
	.345								-.0970
	.362	.0000							
	.390		.2661						
	.400			.2747	.2540		.1038		
	.402		.2868						
	.418								-.7947
	.497	.2418							
	.503								-.1583
	.550			.1757	.1094				
	.565		.1904						
	.600								-.1176
	.637	.1910							
	.650								-.1013
	.670								-.3627
	.700	.2435							
	.725			-.2082	-.1955				
	.730								-.8880
	.750					-.2580	-.3025		

ARC11-019 1A81 LVAP(SBHL UNSEALD) LEFT WING BOT.

(RETL01)

BETA0 (1) = -.018 ALPHA0(6) = 4.337

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.3603						
.775				-.3838	-.3859				
.798		-.3604							
.808			-.5528						
.834	-.3179								
.839		-.4717							
.850				-.6189	-.4273	-.4924			
.857			-.5985						
.862								-.5328	
.865	-.4093								
.879		-.5276							
.900	-.4146			-.3322			-.5448		
.905			-.4336						
.919		-.4462							
.950				-.2994	-.6467	-.5983			
.953			-.3249						
.955		-.2577							
.965	-.4041								
1.000			-.2376		-.3362		-.4613		

BETA0 (1) = -.001 ALPHA0(7) = 6.460

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2423	-.4313	.2846	.5899	.5774	.5474	.4427	-.3673	
.010	-.1681	-.3276	.4429	.5086	.4873	.5642	.5602		
.020	-.1192	-.0803	.0000	.4013	.4351	.4652	.4666	-.1278	
.040		-.0094	.4098						
.050	-.0965			.3242	.3487	.3782	.3809		
.069								-.0567	
.080				.2934					
.081			.3034						
.086		.2568							
.094	-.0610								
.150				.2922	.3156	.0000	.2644		
.157								-.0350	
.163		.3274							
.177			.2709						
.229	.0545								
.246		.2497							
.250				.2874	.2918	.2866	.1939		
.274			.2727						

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL UNSEALED) LEFT WING BOT.

(RETL01)

BETA0 (1) = -.001 ALPHA0(7) = 6.460

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.345										-.0863
.362	.0000									
.390		.2763								
.400				.2697	.2591		.1268			
.402			.2855							
.418										-.8242
.497	.2564									
.503										-.1448
.550				.1563	.1092					
.565			.1688							
.600								-.1013		
.637		.1730								
.650						-.0442				
.670										-.3564
.700	.2362				-.1942					
.725				-.2126						
.730										-.7502
.750						-.1844	-.2887			
.760			-.3715							
.775				-.3785	-.3781					
.798		-.3561								
.808			-.5534							
.834	-.3072									
.839		-.4279								
.850				-.6051	-.4206	-.4825				
.857			-.5544							
.862										-.5201
.865	-.3964									
.879		-.4658								
.901	-.3892									
.905			-.3728		-.3030			-.5317		
.919		-.4102								
.950				-.2850	-.5087	-.6265				
.953			-.2571							
.955		-.2478								
.965	-.3758									
1.000			-.1737		-.3056		-.6077			

ARC11-019 IAB1 LVAP(SBHL UNSEALED) LEFT WING BOT.

(RETL01)

BETA0 (1) = .009 ALPHA0(8) = 8.583

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2693	-.5803	.2078	.5468	.5801	.5335	.3884	-.4747	
.010	-.1784	-.4329	.4095	.5368	.5834	.6566	.6287		
.020	-.1183	-.1315	.0000	.4387	.5267	.5626	.5513	-.1653	
.040		-.0580	.4136						
.050	-.0628			.3628	.4211	.4584	.4591		
.069				.3268				-.0726	
.080									
.081			.3256						
.086		.2484							
.094	-.0366								
.150				.3169	.3637	.0000	.3166		
.157								-.0269	
.163		.3355							
.177			.2935						
.229	.0791								
.246		.2635							
.250				.3030	.3161	.3216	.2304		
.274			.2908						
.345								-.0709	
.362	.0000								
.390		.2949							
.400				.2688	.2630		.1516		
.402			.2934						
.418									-.7030
.497	.2716								
.503								-.1252	
.550				.1460	.1137				
.565			.1675						
.600							-.0838		
.637		.1727							
.650					.0314				
.670								-.3382	
.700	.2451			-.2189	-.1902				
.725									
.730									-.6646
.750						-.1522	-.2702		
.760			-.3728						
.775				-.3776	-.3794				
.798		-.4145							
.808			-.5411						
.834	-.3238								
.839		-.4219							
.850				-.5969	-.5236	-.4663			
.857			-.5454						
.862								-.5042	

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL UNSEALD) LEFT WING BOT.

(RETL01)

BETA0 (1) = .009 ALPHA0(8) = 8.583

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.865	-.3898								
.879		-.4484							
.900	-.3693			-.4359			-.5103		
.905			-.4930						
.919		-.4138							
.950				-.2991	-.5413	-.6154			
.953			-.2734						
.955		-.2887							
.965	-.3873								
1.000		-.1455		-.3116		-.6182			

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL02) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .600 RN/FT = 3.200
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPOBRK = 55.000

BETA0 (1) = -.006 ALPHA0(1) = -6.155

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.0061	.0280	.1645	.1872	-.0301	-.1634	-.1575	-.6514	
.010	-.0161	.0130	-.1614	-1.1327	-1.4110	-1.7371	-1.4719		
.020	-.0221	.0079	.0000	-.9555	-1.3544	-1.4124	-1.4152	-.5879	
.040		.0232	-.2778						
.050	-.0289			-.5194	-.6859	-.8761	-1.3121		
.069								-.5037	
.080				-.3901					
.081			-.2452						
.086		.0375							
.094	-.0249								
.150				-.2351	-.3279	.0000	-.4578		
.157								-.4296	
.163		-.0391							
.177			-.1534						
.229	.0131								
.246		-.1161							
.250				-.1637	-.2481	-.3181	-.3080		
.274			-.1070						
.345								-.3981	
.362	.0000								
.390		-.0670							
.400				-.1342	-.2127		-.2518		
.402			-.0725						
.418								-.4405	
.497	-.0558								
.503								-.4246	
.550				-.2238	-.2708				
.565			-.1886						
.600							-.2892		
.637		-.1717							
.650					-.2983				
.670								-.0275	
.700	-.1209				-.3310				
.725				-.3450					
.730								-.5115	
.750						-.3120	-.2982		
.769			-.3184						
.775				-.3803	-.3027				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL02)

BETA0 (1) = -.005 ALPHA0(1) = -6.155

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.798		-.2960						
.808			-.3427					
.834	-.3194							
.839		-.3324						
.850				-.2898	-.2113	-.2502		
.857			-.2912					
.862								-.3710
.865	-.3230							
.879		-.3033						
.900	-.2867			-.1962			-.1516	
.905			-.2238					
.919		-.2731						
.950				-.0729	-.1282	-.0582		
.953			-.1237					
.955		-.1968						
.965	-.2999							
1.000			-.0196		.0391		.0532	

BETA0 (1) = -.020 ALPHA0(2) = -4.065

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.000	-.0020	.0670	.2481	.3195	.1815	.0922	.0916	-.5582
.010	.0033	.0634	.0148	-.7812	-1.0325	-1.4042	-1.3470	
.020	-.0093	.0587	.0000	-.6713	-.9101	-1.1193	-1.2551	-.5444
.040		.0719	-.1682					
.050	-.0157			-.3879	-.5266	-.6332	-.6940	
.069								-.4910
.080				-.3040				
.081			-.1674					
.086		.0734						
.094	-.0128							
.150				-.1715	-.2493	.0000	-.3476	
.157								-.3096
.163		.0036						
.177			-.1028					
.229	.0289							
.246		-.0740						
.250				-.1191	-.1938	-.2448	-.2700	
.274			-.0652					
.345								-.2576
.362	.0000							

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL02)

BETA0 (1) = -.020 ALPHA0(2) = -4.055

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		-.0268							
.400				-.1114	-.1718		-.2189		
.402			-.0407						
.418									-.3487
.497	-.0253								
.503								-.2953	
.550				-.2048	-.2368				
.565			-.1587						
.600							-.2697		
.637		-.1548							
.650						-.2843			
.670								-.2569	
.700	-.0995				-.3157				
.725				-.3414					
.730									-.3662
.750						-.2981	-.2799		
.760			-.3074						
.775				-.3820	-.2927				
.798		-.2871							
.808			-.3377						
.834	-.3216								
.839		-.3168							
.850				-.2865	-.2050	-.2422			
.857			-.2865						
.862								-.1559	
.865	-.3155								
.879		-.2824							
.900	-.2770			-.1972			-.1291		
.905			-.2134						
.919		-.2535							
.950				-.0735	-.1335	-.0492			
.953			-.1047						
.955		-.1793							
.965	-.2885								
1.000			-.0049		.0418		.0718		

TABLE A - PRESSURE SOURCE DATA TABULATION

ARC11-019 LAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL02)

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

X/CW

[illegible]

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL02)

BETA0 (1) = -.028 ALPHA0(3) = -1.995

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.3164								
.879		-.2697							
.900	-.2717			-.2057				-.1308	
.905			-.2131						
.919		-.2446							
.950				-.0778	-.1388	-.0528			
.953			-.1049						
.955		-.1691							
.965	-.2773								
1.000			-.0018		.0385		.0775		

BETA0 (1) = -.031 ALPHA0(4) = .078

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0489	.0564	.3158	.4763	.4202	.3997	.3814	-.1420	
.010	-.0158	.0866	.2459	-.1839	-.3064	-.3318	-.3137		
.020	-.0059	.1037	.0000	-.2323	-.2549	-.3318	-.4076	-.1595	
.040		.1242	.0384						
.050	-.0017			-.1490	-.2171	-.2639	-.3014		
.069								-.1759	
.080				-.1217					
.081			-.0250						
.086		.1469							
.094	.0040								
.150				-.0547	-.0919	.0000	-.1730		
.157								-.1661	
.163		.0906							
.177			-.0089						
.229	.0529								
.246		-.0019							
.250				-.0397	-.0990	-.1372	-.1689		
.274			.0031						
.345								-.1708	
.362	.0000								
.390		.0258							
.400				-.0623	-.1221		-.1616		
.402			.0133						
.418								-.1728	
.497	.0235								
.503								-.2185	
.550				-.1719	-.2000				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL02)

BETA0 (1) = -.031 ALPHA0(4) = .078

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.1220						
.600							-.2508		
.637		-.1370							
.650						-.2615			
.670								-.2330	
.700	-.0778				-.2950				
.725				-.3153					
.730									-.2040
.750						-.2976	-.2838		
.760			-.2956						
.775				-.3721	-.2921				
.798		-.2839							
.808			-.3369						
.834	-.3302								
.839		-.3104							
.850				-.2954	-.2131	-.2543			
.857			-.2803						
.862								-.1315	
.865	-.3366								
.879		-.2624							
.900	-.2852			-.2042			-.1427		
.905			-.2170						
.919		-.2326							
.950				-.0782	-.1420	-.0579			
.953			-.0967						
.955		-.1610							
.965	-.2687								
1.000			.0159		.0424		.0799		

BETA0 (1) = -.032 ALPHA0(5) = 2.167

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0817	.0076	.3010	.4936	.4507	.4345	.3841	-.1470	
.010	-.0369	.0566	.3011	.0319	-.0454	.0040	.0243		
.020	-.0190	.1017	.0000	-.0578	-.0542	-.0822	-.1184	-.1142	
.040		.1254	.1100						
.050	.0030			-.0414	-.0858	-.1030	-.1296		
.069								-.1408	
.080				-.0381					
.081			.0369						
.086		.1701							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL02)

BETA0 (1) = -.032 ALPHA0(5) = 2.167

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		.0270		.0473		.0617		

BETA0 (1) = -.026 ALPHA0(6) = 4.242

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000	-.1214	-.0559	.2637	.4810	.4311	.3967	.2783	-.3034
	.010	-.0668	.0028	.3411	.2123	.1740	.2514	.2603	
	.020	-.0279	.0836	.0000	.0905	.1246	.1277	.1153	-.1780
	.040		.1230	.1862					
	.050	.0098			.0559	.0388	.0481	.0357	
	.069								-.1606
	.080			.0311					
	.081		.0993						
	.086		.1888						
	.094	.0216							
	.150			.0450	.0297	.0000	-.0323		
	.157								-.1493
	.163		.1665						
	.177		.0763						
	.229	.0831							
	.246		.0702						
	.250			.0347	-.0016	-.0362	-.0659		
	.274		.0682						
	.345								-.1660
	.362	.0000							
	.390		.0753						
	.400			-.0097	-.0537		-.1030		
	.402		.0529						
	.418								-.7229
	.497	.0748							
	.503								-.2097
	.550			-.1374	-.1569				
	.565		-.1089						
	.600						-.2159		
	.637	-.1121							
	.650					-.2279			
	.670							-.2530	
	.700	-.0524			-.2662				
	.725			-.2905					
	.730								-.8022
	.750				-.2796	-.2758			

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL02)

BETA0 (1) = -.026 ALPHA0(6) = 4.242

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.760			-.2719					
.775				-.3540	-.2720			
.798		-.2729						
.808			-.3209					
.834	-.3143							
.839		-.3075						
.850				-.2821	-.2085	-.2720		
.857			-.2799					
.862								-.1910
.865	-.3300							
.879		-.2478						
.900	-.2798			-.2070			-.2032	
.905			-.2174					
.919		-.2111						
.950				-.0767	-.1478	-.0813		
.953			-.0926					
.955		-.1350						
.965	-.2380							
1.000			.0427		.0451		.0583	

BETA0 (1) = -.007 ALPHA0(7) = 6.339

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.1896	-.1554	.1863	.4043	.3468	.2683	.0722	-.6095
.010	-.1109	-.0905	.3400	.3508	.3374	.4096	.3974	
.020	-.0463	.0528	.0000	.2292	.2729	.2918	.2802	-.3368
.040		.1001	.2475					
.050	.0080			.1484	.1581	.1710	.1683	
.069								-.2362
.080				.1102				
.081			.1433					
.086		.2076						
.094	.0327							
.150				.1003	.0972	.0000	.0427	
.157								-.1883
.163		.2025						
.177			.1109					
.229	.0973							
.246		.1047						
.250				.0785	.0432	.0262	-.0144	
.274			.0909					

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL02)

BETA0 (1) = -.007 ALPHA0(7) = 6.338

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2980	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-1.1821	
.362	.0000								
.390		.1010							
.400				.0170	-.0197		-.0643		
.402			.0719						
.418								-1.2856	
.497	.0984								
.503								-.2210	
.550				-.1137	-.1263				
.565			-.0941						
.600							-.1990		
.637		-.1034							
.650						-.2051			
.670								-.2711	
.700	-.0367				-.2517				
.725				-.2764					
.730								-1.2302	
.750						-.2655	-.2657		
.760			-.2707						
.775				-.3470	-.2590				
.798		-.2619							
.808			-.3154						
.834	-.3050								
.839		-.3023							
.850				-.2782	-.2077	-.2680			
.857			-.2772						
.862								-.2282	
.865	-.3208								
.879		-.2520							
.900	-.2772			-.2102			-.2067		
.905			-.3202						
.919		-.2069							
.950				-.0874	-.1601	-.0929			
.953			-.0957						
.955		-.1354							
.965	-.2168								
1.000			.0467		.0366		.0301		

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL03) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .900 RN/FT = 3.500
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPDBRK = 55.000

BETA0 (1) = .027 ALPHA0(1) = -6.277

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0302	.0878	.2660	.3422	.1952	.1186	.1313	-.4448	
.010	.0212	.0838	.0093	-.9023	-1.0360	-.8245	-.7108		
.020	.0210	.0874	.0009	-.8128	-1.0081	-.7858	-.7001	-.4450	
.040		.0991	-.1475						
.050	.0132			-.4183	-.8614	-.7504	-.6451		
.069				-.3381				-.4497	
.080									
.081			-.1578						
.086		.1176							
.094	.0170								
.150				-.1806	-.2020	.0000	-.6163		
.157								-.4431	
.163		.0521							
.177			-.0952						
.229	.0747								
.246		-.0471							
.250				-.0844	-.1195	-.3027	-.5882		
.274			-.0358						
.345								-.4470	
.362	.0000								
.390		.0107							
.400				-.0057	-.0750		-.4261		
.402			.0268						
.418								-.3850	
.497	.0201								
.503								-.4623	
.550				-.1023	-.2155				
.565			-.0464						
.600							-.3960		
.637		-.0456							
.650						-.4153			
.670								-.4878	
.700	.0134				-.5350				
.725				-.5246					
.730								-.5132	
.750						-.5887	-.5957		
.760			-.5257						
.775				-.7437	-.7395				

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TABLE A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL03)

BETA0 (1) = .027 ALPHA0(1) = -6.277

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.798	-.4345				
.808		-.7058			
.834	-.4325				
.839		-.5284			
.850			-.3186	-.2964	-.3122
.857		-.4722			
.862					-.2803
.865	-.4803				
.879		-.4544			
.900	-.4050		-.2604		-.2012
.905		-.3017			
.919		-.3845			
.950			-.2063	-.2054	-.1754
.953		-.2126			
.955		-.2956			
.965	-.4309				
1.000		-.1071	-.1386		-.0129

BETA0 (1) = .004 ALPHA0(2) = -4.157

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8970	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	.0207	.1055	.3170	.4200	.2943	.2370	.2413	-.4578
.010	.0312	.1154	.1333	-.5791	-.8918	-.9109	-.8654	
.020	.0194	.1159	.0000	-.5197	-.8319	-.8052	-.8095	-.4209
.040		.1283	-.0570					
.050	.0165			-.3196	-.4060	-.6381	-.7355	
.069								-.4131
.080				-.2675				
.081			-.0932					
.086		.1452						
.094	.0211							
.150				-.1112	-.1587	.0000	-.3986	
.157								-.3774
.163		.0854						
.177			-.0485					
.229	.0778							
.246		-.0126						
.250				-.0350	-.0836	-.1370	-.2372	
.274			.0004					
.345								-.3910
.362	.0000							

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL03)

BETA0 (1) = .004 ALPHA0 (2) = -4.157

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.0416							
.400				.0216	-.0543		-.2290		
.402			.0536						
.418									-.3597
.497	.0474								
.503								-.4578	
.550				-.0862	-.2005				
.565			-.0320						
.600							-.4390		
.637		-.0369							
.650						-.2824			
.670								-.5315	
.700	.0289				-.5356				
.725				-.5185					
.730									-.3801
.750						-.4928	-.6440		
.760			-.5116						
.775				-.7432	-.7389				
.798		-.4313							
.808			-.6510						
.834	-.4087								
.839		-.5018							
.850				-.3102	-.3057	-.2681			
.857			-.4586						
.862								-.1608	
.865	-.4579								
.879		-.4265							
.900	-.3941			-.2111				-.1703	
.905			-.2813						
.919		-.3523							
.950				-.1399	-.1788	-.1613			
.953			-.1789						
.955		-.2684							
.965	-.4017								
1.000			-.0841		-.0968		-.0050		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL03)

BETA(0 (1) = -.020 ALPHA(0(3) = -2.045

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0040	.1072	.3592	.4871	.4027	.3625	.3573	-.2549	
.010	.0235	.1318	.2375	-.3220	-.5531	-.6452	-.5514		
.020	.0222	.1374	.0000	-.3337	-.4495	-.5122	-.6366	-.2802	
.040		.1530	.0410						
.050	.0234			-.1943	-.3097	-.3146	-.5080		
.069								-.3215	
.080				-.1516					
.081			-.0174						
.086		.1745							
.094	.0314								
.150				-.0429	-.0744	.0000	-.1974		
.157								-.3152	
.163		.1243							
.177			.0080						
.229	.0914								
.246		.0285							
.250				.0103	-.0322	-.0833	-.1960		
.274			.0434						
.345								-.3655	
.362	.0000								
.390		.0735							
.400				.0452	-.0228		-.2109		
.402			.0828						
.418									-.4340
.497	.0768								
.503								-.4581	
.550				-.0751	-.1836				
.565			-.0210						
.600							-.4472		
.637		-.0207							
.650						-.3032			
.670								-.5513	
.700	.0455				-.5307				
.725				-.5138					
.730								-.3183	
.750						-.4413	-.6770		
.760			-.5123						
.775				-.7380	-.7273				
.798		-.4399							
.808			-.6744						
.834	-.4114								
.839		-.5054							
.850				-.3090	-.3290	-.2095			
.857			-.4460						
.862								-.1212	

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL03)

BETA0 (1) = -.020 ALPHA0(3) = -2.045

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.4640								
.879		-.4119							
.900	-.4004			-.2132			-.1700		
.905			-.2599						
.919		-.3231							
.950				-.1538	-.1634	-.1377			
.953			-.1478						
.955		-.2392							
.965	-.3882								
1.000			-.0653		-.0846		-.0479		

BETA0 (1) = -.030 ALPHA0(4) = .070

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0389	.0784	.3668	.5287	.4702	.4428	.4106	-.2053	
.010	-.0057	.1108	.3218	-.0582	-.2058	-.1873	-.1539		
.020	.0118	.1416	.0000	-.1258	-.1556	-.2086	-.2779	-.1801	
.040		.1662	.1285						
.050	.0282			-.0623	-.1367	-.1580	-.2021		
.069								-.2612	
.080				-.0492					
.081			.0509						
.086		.2051							
.094	.0374								
.150				.0191	-.0025	.0000	-.1377		
.157								-.2818	
.163		.1693							
.177			.0519						
.229	.1005								
.246		.0698							
.250				.0487	.0096	.0647	-.1554		
.274			.0749						
.345								-.3630	
.362	.0000								
.390		.1039							
.400				.0598	-.0081		-.1932		
.402			.0998						
.418								-.6420	
.497	.1031								
.503								-.4499	
.550				-.0708	-.1781				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETLO3)

BETA0 (1) = -.030 ALPHA0(4) = .070

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.0191						
.600							-.4441		
.637		-.0211							
.650						-.0988			
.670								-.6457	
.700	.0481				-.5278				
.725				-.5103					
.730									-.3811
.750						-.3924	-.6757		
.760			-.5028						
.775				-.7273	-.7074				
.798		-.4296							
.808			-.6311						
.834	-.4014								
.839		-.4925							
.850				-.3080	-.3401	-.2120			
.857			-.4387						
.862								-.1125	
.865	-.4538								
.879		-.4028							
.900	-.3785			-.1923			-.2045		
.905			-.2433						
.919		-.3124							
.950				-.1200	-.1658	-.1503			
.953			-.1361						
.955		-.2250							
.965	-.3640								
1.000			-.0580		-.0755		-.1038		

BETA0 (1) = -.035 ALPHA0(5) = 2.209

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0973	.0313	.3567	.5437	.4961	.4679	.3991	-.2834	
.010	-.0430	.0738	.3681	.1355	.0433	.1026	.1145		
.020	-.0042	.1314	.0000	.0299	.0254	.0199	-.0195	-.2124	
.040		.1641	.1956						
.050	.0282			.0328	-.0069	-.0069	-.0451		
.069								-.2624	
.080				.0282					
.081			.1079						
.086		.2244							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL03)

BETA0 (1) = -.035 ALPHA0(5) = 2.209

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			-.0330		-.0168		-.0156		

BETA0 (1) = -.028 ALPHA0(6) = 4.323

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1427	-.0270	.3338	.5442	.4990	.4543	.3453	-.4461	
.010	-.0765	.0245	.3963	.2579	.2024	.2817	.2793		
.020	-.0229	.1196	.0000	.1419	.1614	.1729	.1495	-.2933	
.040		.1574	.2520						
.050	.0269			.1096	.0898	.0989	.0705		
.069				.0888				-.2701	
.080									
.081			.1541						
.086		.2424							
.094	.0494								
.150				.1125	.1086	.0000	-.0183		
.157								-.2957	
.163		.2324							
.177			.1317						
.229	.1251								
.246		.1333							
.250				.1134	.0807	.1298	-.0859		
.274			.1312						
.345								-.3583	
.362	.0000								
.390		.1463							
.400				.0864	.0226		-.1615		
.402			.1360						
.418								-1.0748	
.497	.1426								
.503								-.4357	
.550				-.0675	-.1640				
.565			-.0087						
.600							-.4079		
.637		-.0046							
.650						-.0711			
.670								-.5991	
.700	.0698				-.4841				
.725				-.4829					
.730								-.5619	
.750					-.3386	-.5974			

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL03)

BETA0 (1) = -.028 ALPHA0(6) = 4.323

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.750			-.4943						
.775				-.6611	-.6482				
.798		-.4070							
.808			-.5860						
.834	-.3888								
.839		-.4656							
.850				-.4762	-.4352	-.7529			
.857			-.4787						
.862								-.3633	
.865	-.4415								
.879		-.3932							
.900	-.3823			-.1928			-.5580		
.905			-.2523						
.919		-.2805							
.950				-.0635	-.1727	-.1335			
.953			-.1151						
.955		-.1911							
.965	-.3332								
1.000			-.0203		.0054		-.1110		

BETA0 (1) = .066 ALPHA0(7) = 6.247

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.2210	-.1119	.2927	.5242	.4555	.3965	.2574	-.6285	
.010	-.1343	-.0554	.4063	.3551	.3263	.4040	.3853		
.020	-.0481	.0899	.0000	.2315	.2676	.2945	.2754	-.3748	
.040		.1437	.2987						
.050	.0240			.1707	.1812	.2007	.1737		
.069								-.3006	
.080				.1393					
.081			.1900						
.086		.2541							
.094	.0583								
.150				.1523	.1542	.0000	.0431		
.157								-.2760	
.163		.2584							
.177			.1543						
.229	.1389								
.246		.1525							
.250				.1395	.1172	.1800	-.0442		
.274			.1499						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL03)

BETA0 (1) = .066 ALPHA0(7) = 6.247

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.345										-.3316
.362	.0000									
.390		.1619								
.400				.0956	.0360					-.1322
.402			.1487							
.418										-.5840
.497	.1571									
.503										-.3683
.550				-.0658	-.1489					
.565			-.0070							
.600										-.3567
.637		-.0025								
.650						.0903				
.670										-.4956
.708	.0792				-.4548					
.725				-.4552						
.730										-.4460
.750						-.2668	-.5459			
.760			-.4038							
.775				-.5299	-.5882					
.798		-.3436								
.808			-.5447							
.834	-.3593									
.839		-.4535								
.850				-.5832	-.4328	-.7069				
.857			-.5023							
.862										-.5399
.965	-.4184									
.879		-.3968								
.900	-.3803			-.2481						-.6768
.905			-.2845							
.919		-.3051								
.950				-.0980	-.2515	-.3837				
.953			-.1337							
.955		-.2138								
.965	-.3500									
1.000			-.0300		-.0868		-.3598			

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL04) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 3.000
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPDBRK = 55.000

BETA0 (1) = .066 ALPHA0(1) = -4.854

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2155	-.0339	.3704	.5005	.3844	.3272	.3400	-.1011	
.010	-.2426	.0040	.2179	-.4686	-.7079	-.6236	-.3986		
.020	-.2850	.0313	.0000	-.4451	-.7221	-.6385	-.4062	-.1132	
.040		.0558	.0250						
.050	-.1427			-.2670	-.6600	-.6299	-.3867		
.069								-.1271	
.080				-.1741					
.081			-.0179						
.086		.1527							
.094	-.2638								
.150				-.0755	-.1360	.0000	-.4135		
.157								-.1274	
.163		.1426							
.177			-.0003						
.229	.0029								
.246		.0510							
.250				-.0102	-.0499	-.0338	-.3682		
.274			.0614						
.345								-.1676	
.362	.0000								
.390		.1110							
.400				.1504	.1768		-.0177		
.402			.1164						
.418								-.1339	
.497	.1014								
.503								-.2035	
.550				.1347	.0705				
.565			.1297						
.600							-.0791		
.637		.1259							
.650						-.0042			
.670								-.3400	
.700	.1507				-.2032				
.725			-.2331						
.730								-.2039	
.750						-.1277	-.2815		
.760			-.3248						
.775				-.4069	-.3973				

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(RETL04)

DEPENDENT VARIABLE CP

X/CW

DEPENDENT VARIABLE CP

X/CW

.000	-.2192	-.0267	.3980	.5241	.4130	.3575	.3692	-.1263
.010	-.2459	.0197	.2615	-.3910	-.6313	-.5929	-.5280	
.020	-.2800	.0444	.0000	-.3432	-.6250	-.6393	-.4139	-.1051
.040		.0684	.0627					
.050	-.1517			-.2177	-.5699	-.6135	-.3353	
.069								-.1084
.080				-.1402				
.081			.0049					
.086		.1672						
.094	-.2687							
.150				-.0476	-.1091	.0000	-.3313	
.157								-.1015
.163		.1549						
.177			.0218					
.229	.0075							
.246		.0643						
.250				.0128	.0441	-.0346	-.1995	
.274			.0719					
.345								-.1451
.362	.0000							

ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL04)

BETA0 (1) = .066 ALPHA0(2) = -3.849

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.1202							
.400				.1664	.1836		.1160		
.402			.1345						
.418									-.1623
.497	.1136								
.503								-.2149	
.550				.1399	.0701				
.565			.1396						
.600							-.1160		
.637		.1323							
.650						.0813			
.670								-.3294	
.700	.1602				-.2077				
.725				-.2270					
.730									-.1836
.750						-.0945	-.3135		
.760			-.3262						
.775				-.4024	-.4013				
.798		-.2884							
.808			-.5009						
.834	-.3321								
.839		-.4656							
.850				-.6250	-.4763	-.5029			
.857			-.6020						
.862								-.3290	
.865	-.4177								
.879		-.5428							
.900	-.4317			-.4181			-.5156		
.905			-.6827						
.919		-.5493							
.950				-.3371	-.5351	-.6447			
.953			-.3841						
.955		-.3683							
.965	-.5494								
1.000			-.2523		-.3557		-.3571		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (SBHL SEALED) LEFT WING BOT.

(RETLOW)

BETA0 (1) = .067 ALPHA0 (3) = -1.842

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2319	-.0296	.4233	.5694	.4830	.4439	.4972	-.0271	
.010	-.2418	.0167	.3453	-.1206	-.4207	-.4596	-.2532		
.020	-.2250	.0451	.0000	-.1330	-.3409	-.4044	-.3314	-.0195	
.040		.0771	.1484						
.050	-.1571			-.0983	-.2794	-.2563	-.2491		
.069								-.0446	
.080				-.0447					
.081			.0728						
.086		.1961							
.094	-.2588								
.150				.0348	.0293	.0000	.0258		
.157								-.0390	
.163		.1956							
.177			.0863						
.229	.0164								
.246		.1110							
.250				.1153	.1494	.1991	.0514		
.274			.1243						
.345								-.0970	
.362	.0000								
.390		.1659							
.400				.2205	.2022		.0603		
.402			.2017						
.418								-.2293	
.497	.1553								
.503								-.1708	
.550			.1598	.0819					
.565		.1668							
.600							-.1391		
.637		.1588							
.650					.1379				
.670								-.3406	
.700	.1975				-.2021				
.725			-.2134						
.730								-.5414	
.750						-.0707	-.3293		
.760			-.3360						
.775				-.3933	-.3947				
.798		-.3094							
.808			-.5185						
.834	-.3233								
.839		-.4697							
.850			-.6272	-.4359	-.5046				
.857			-.6079						
.862								-.4505	

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETLOW)

BETA0 (1) = .067 ALPHA0(3) = -1.842

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.4152								
.879		-.5486							
.900	-.4335			-.4365			-.5386		
.905			-.6728						
.919		-.5630							
.950				-.3360	-.6582	-.6467			
.953			-.3861						
.955		-.3420							
.965	-.5319								
1.000			-.2502		-.3714		-.3453		

BETA0 (1) = .067 ALPHA0(4) = .164

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2407	-.0560	.4320	.6117	.5575	.5446	.5471	-.0122	
.010	-.1876	-.0163	.4057	.0882	-.0878	-.0592	.0663		
.020	-.1333	.0390	.0000	.0103	-.0507	-.0366	-.0404	.0251	
.040		.0847	.2236						
.050	-.1657			.0427	-.0281	.0077	.0371		
.069				.0533				-.0150	
.080									
.081			.1398						
.086		.2175							
.094	-.1752								
.150				.1226	.1506	.0000	.0932		
.157								-.0269	
.163		.2338							
.177			.1416						
.229	.0227								
.246		.1522							
.250				.1894	.1955	.2609	.0863		
.274			.1835						
.345								-.0949	
.362	.0000								
.390		.2109							
.400				.2501	.2256		.0759		
.402			.2441						
.418								-.4410	
.497	.1938								
.503								-.1692	
.550				.1767	.0968				

ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING BOT.

(RETLO4)

BETA0 (1) = .067 ALPHA0(4) = .164

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565		.1929			
.600					-.1368
.637	.1848				
.650				.0867	
.670					-.3653
.700	.2287		-.1986		
.725		-.2004			
.730					-.7985
.750				-.1155	-.3284
.760		-.3286			
.775		-.3843	-.3908		
.798	-.3457				
.808		-.5417			
.834	-.3288				
.839	-.4701				
.850		-.6257	-.4261	-.5029	
.857		-.6127			
.862					-.5196
.865	-.4107				
.879	-.5577				
.900	-.4256	-.4160			-.5474
.905		-.5703			
.919	-.5675				
.950		-.3400	-.6845	-.6438	
.953		-.3935			
.955	-.3252				
.965	-.5073				
1.000		-.2879	-.3728		-.3218

BETA0 (1) = .067 ALPHA0(5) = 2.192

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2082	-.1287	.4087	.6247	.5967	.5864	.5419	-.0838
.010	-.1514	-.0805	.4427	.2703	.1707	.2525	.3064	
.020	-.1246	.0211	.0000	.1734	.1638	.1026	.1950	.0031
.040		.0694	.2977					
.050	-.1625			.1628	.1369	.1643	.1758	
.069								-.0050
.080				.1482				
.081			.2078					
.086		.2329						

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL04)

BETA0 (1) = .067 ALPHA0(5) = 2.192

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CN

X/CN							
.094	-.1238						
.150			.1977	.2110	.0000	.1514	
.157							-.0294
.163		.2703					
.177			.1950				
.229	.0300						
.246		.1922					
.250			.2310	.2359	.2792	.1164	
.274			.2239				
.345							-.0953
.362	.0000						
.390		.2407					
.400			.2655	.2411		.0855	
.402			.2685				
.418							-.6318
.497	.2194						
.503							-.1644
.550			.1838	.1058			
.565		.1950					
.600						-.1300	
.637		.1907					
.650					.1854		
.670							-.3667
.700	.2362			-.1948			
.725			-.1945				
.730							-.8659
.750					-.0720	-.3099	
.760		-.3264					
.775			-.3792	-.3872			
.798	-.3770						
.808		-.5644					
.834	-.3376						
.839		-.4824					
.850			-.6187	-.4222	-.4944		
.857		-.6423					
.862							-.5248
.865	-.4174						
.879		-.5468					
.900	-.4197		-.4000			-.5454	
.905		-.4148					
.919		-.5377					
.950			-.3272	-.6909	-.6374		
.953		-.3703					
.955		-.2944					
.965	-.4568						

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.A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAS1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETLOW)

BETA0 (1) = .067 ALPHA0(5) = 2.192

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		-.2802		-.3662		-.4022		

BETA0 (1) = .066 ALPHA0(6) = 4.200

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000	-.2155	-.2345	.3646	.6161	.5967	.5765	.5003	-.2242
	.010	-.1603	-.1733	.4579	.4029	.3511	.4402	.4599	
	.020	-.1256	-.0225	.0000	.3032	.3155	.3467	.3541	-.0681
	.040		.0359	.3580					
	.050	-.1339			.2507	.2532	.2861	.2877	
	.069								-.0301
	.080			.2185					
	.081		.2609						
	.086		.2431						
	.094	-.0891							
	.150			.2464	.2677	.0000	.2120		
	.157								-.0384
	.163		.3001						
	.177		.2431						
	.229	.0423							
	.246		.2242		.2622	.2685	.3359	.1559	
	.250			.2561					
	.274								-.0980
	.345								
	.362	.0000							
	.390		.2667		.2698	.2526		.1055	
	.400			.2845					
	.402								
	.418								-.8109
	.497	.2424							
	.503								-.1580
	.550			.1953	.1721	.1107			
	.565								
	.600								-.1177
	.637		.1916						
	.650					.2656			
	.670								-.3628
	.700	.2442			-.1935				
	.725			-.2040					
	.730								-.9499
	.750					-.0295	-.3010		

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL04)

BETA0 (1) = .066 ALPHA0(6) = 4.200

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.3272						
.775				-.3863	-.3834				
.798		-.4002							
.808			-.5615						
.834	-.3387								
.839		-.4748							
.850				-.6161	-.4282	-.4898			
.857			-.6440						
.862								-.5302	
.865	-.4152								
.879		-.5302							
.900	-.4024			-.3406			-.5412		
.905			-.3883						
.919		-.4592							
.950				-.3048	-.6341	-.5864			
.953			-.3310						
.955		-.2571							
.965	-.3988								
1.000			-.2357	-.3378		-.4553			

BETA0 (1) = .066 ALPHA0(7) = 5.218

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2227	-.3138	.3322	.6007	.5864	.5821	.4686	-.3022	
.010	-.1604	-.2371	.4524	.4581	.4203	.5011	.5158		
.020	-.1216	-.0467	.0000	.3465	.3733	.4079	.4130	-.1005	
.040		.0145	.3765						
.050	-.1128			.2837	.2967	.3293	.3351		
.069								-.0442	
.080				.2460					
.081			.2773						
.086		.2452							
.094	-.0756								
.150				.2582	.2908	.0000	.2362		
.157								-.0383	
.163		.3111							
.177			.2467						
.229	.0452								
.246		.2265							
.250			.2733	.2771	.3509	.1690			
.274			.2559						

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING BOT.

(RETLOW)

BETA0 (1) = .066 ALPHA0(7) = 5.218

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345									
.362	.0000								
.390		.2637							
.400				.2632	.2487		.1114		
.402			.2812						
.418									
.497	.2427								
.503									
.550				.1589	.1058				
.565			.1764						
.600									
.637		.1797							
.650						.1672			
.670									
.700	.2338								
.725									
.730									
.750									
.760									
.775									
.798									
.808									
.834									
.839									
.850									
.857									
.862									
.865									
.879									
.900									
.905									
.919									
.950									
.953									
.955									
.965									
1.000									

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL05) (17 OCT 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

MACH = 1.250 RN/FT = 2.250
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPDBRK = 55.000

BETA0 (1) = .069 ALPHA0(1) = -5.882

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1303	-.2044	.1836	.4523	.3917	.3448	.3555	-.3116	
.010	-.1517	-.2763	-.0795	-.4482	-.5846	-.4777	-.4764		
.020	-.1829	-.1730	.0000	-.5334	-.5932	-.6045	-.5511	-.3049	
.040		-.1539	-.2233						
.050	-.2854			-.4635	-.5458	-.5619	-.5330		
.069								-.2801	
.080				-.1269					
.081			-.0962						
.086		-.2077							
.094	-.1591								
.150				-.1110	-.2551	.0000	-.5260		
.157								-.2496	
.163		-.0284							
.177			.0156						
.229	-.1532								
.246		.0164							
.250				.0047	-.0826	-.2993	-.4432		
.274			.0566						
.345								-.2508	
.362	.0000								
.390		.1123							
.400				.0361	.0128		-.3195		
.402			.0653						
.418								-.1901	
.497	.1000								
.503								-.3450	
.550			.1089	.1452	.1342				
.565									
.600							.0366		
.637		.1224							
.650						-.1266			
.670								-.3860	
.700	.1297			-.0847					
.725			-.1212						
.730								-.2547	
.750						-.0770	-.1281		
.760			-.2128						
.775				-.2655	-.2623				

IASIA - PRESSURE SOURCE DATA TABULATION

(RETL05)

BETA0 (1) = .069 ALPHA0(1) = -5.882

DEPENDENT VARIABLE CP

X/CW

.798		-.2396				
.808			-.3832			
.834	-.2766					
.839		-.3331				
.850			+.4560	-.3017	-.3343	
.857			-.4504			
.862						-.3282
.865	-.3490					
.879		-.4266				
.900	-.3596		-.5550			-.3357
.905			-.5549			
.919		-.4659				
.950			-.3952	-.5044	-.4436	
.953			-.5251			
.955		-.4741				
.965	-.5016					
1.000		-.2733		-.3862		-.1977

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

X/CW

.000	-.1347	-.1920	.2243	.5176	.4578	.4130	.4199	-.2937
.010	-.1447	-.1910	.0327	-.3242	-.4673	-.4128	-.3891	
.020	-.1782	-.1418	.0000	-.2899	-.5144	-.5670	-.5938	-.2721
.040		-.1237	-.0194					
.050	-.2760			-.1192	-.4377	-.5039	-.5111	
.069								-.2206
.080				-.0710				
.081			-.0527					
.086		-.1978						
.094	-.1573							
.150				-.0576	-.0794	.0080	-.4496	
.157								-.1822
.163		.0288						
.177			.0324					
.229	-.1360							
.246		.0809						
.250				.0371	-.0348	-.0867	-.3144	
.274			.0865					
.345								-.2683
.362	.0000							

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL05)

BETA0 (1) = .070 ALPHA0(2) = -3.880

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.1388							
.400				.0870	.1368		.1270		
.402			.1104						
.418									-.1406
.497	.1246								
.503								-.1523	
.550				.1905	.1742				
.565			.1549						
.600							.0386		
.637		.1613							
.650						-.0147			
.670								-.1507	
.700	.1643				-.0623				
.725				-.1011					
.730									-.2665
.750						-.0946	-.1488		
.760			-.1889						
.775				-.2501	-.2410				
.798		-.2384							
.808			-.3821						
.834	-.2601								
.839		-.3229							
.850				-.4457	-.2836	-.3283			
.857			-.4439						
.862								-.2916	
.865	-.3251								
.879		-.4200							
.900	-.3501			-.5501			-.3407		
.905			-.5456						
.919		-.4688							
.950				-.4129	-.5020	-.4483			
.953			-.4464						
.955		-.4849							
.965	-.4957								
1.000		-.2734		-.4159		-.1310			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL05)

BETA0 (1) = .070 ALPHA0(3) = -1.873

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1345	-.1760	.2812	.5872	.5156	.4776	.4803	-.0939	
.010	-.1415	-.1307	.1844	-.1151	-.3436	-.3239	-.2721		
.020	-.1714	-.0774	.0000	-.0971	-.2981	-.4273	-.4816	-.0758	
.040		-.0903	.0715						
.050	-.2602			-.0549	-.2590	-.3477	-.3869		
.069				-.0562				-.0214	
.080									
.081			.0395						
.086		-.1304							
.094	-.1479								
.150				.0668	-.0004	.0000	-.1892		
.157								-.0691	
.163		.1168							
.177			.0516						
.229	-.1125								
.246		.1105							
.250				.1048	.0308	.0027	.0783		
.274			.1252						
.345								.0599	
.362	.0000								
.390		.1756							
.400				.1850	.2726		.2132		
.402			.1636						
.418									-.1847
.497	.1553								
.503								-.0116	
.550				.2420	.2064				
.565			.2051						
.600							.0214		
.637		.2082							
.650						.0228			
.670								-.1990	
.700	.2116				-.0449				
.725				-.0787					
.730									-.4763
.750						-.1018	-.1612		
.760			-.1860						
.775				-.2251	-.2192				
.798		-.2735							
.808			-.4010						
.834	-.3100								
.839		-.3806							
.850				-.4353	-.2928	-.3213			
.857			-.5005						
.862								-.3340	

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL05)

BETA0 (1) = .070 ALPHA0(3) = -1.873

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.3651								
.879		-.4514							
.900	-.3710			-.5408				-.3635	
.905			-.5760						
.919		-.5807							
.950				-.5382	-.4797	-.4544			
.953			-.3962						
.955		-.4976							
.965	-.5077								
1.000			-.3165		-.4553			-.2965	

BETA0 (1) = .070 ALPHA0(4) = .113

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1447	-.1747	.3526	.6149	.5741	.5347	.5320	.0830	
.010	-.1436	-.0535	.3281	.0833	-.0778	-.1487	-.0902		
.020	-.1721	-.0832	.0000	.0456	-.0404	-.1798	-.2715	.1091	
.040		-.0926	.1369						
.050	-.0856			.0062	-.0940	-.0995	-.1500		
.069								.0824	
.080				.0332					
.081			.1698						
.085		-.0014							
.094	-.1606								
.150				.0928	.0950	.0006	.2383		
.157								.0729	
.163		.1764							
.177			.1276						
.229	-.0656								
.246		.1484							
.250				.1500	.1086	.2620	.2135		
.274			.1845						
.345								.0161	
.362	.0000								
.390		.2177							
.400				.2569	.3249		.1947		
.402			.2296						
.418									-.2850
.497	.1913								
.503									-.0455
.550				.2661	.2186				

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1AB1A - PRESSURE SOURCE DATA TABULATION

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ARCT11-019 1AB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETLOS)

BETA0 (1) = .070 ALPHA0(4) = .113

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.2434				.0052		
.600									
.637		.2380							
.650						.1018			
.670								-.2240	
.700	.2526				-.0455				
.725				-.0690					
.730									-.6356
.750						-.0607	-.1671		
.760			-.1791						
.775				-.2165	-.2185				
.798		-.2683							
.808			-.4001						
.834	-.3121								
.839		-.4127							
.850				-.4287	-.3257	-.3252			
.857			-.5118						
.862								-.3570	
.865	-.3647								
.879		-.4596							
.900	-.3743			-.5344			-.3737		
.905			-.5914						
.919		-.5118							
.950				-.5837	-.4689	-.4654			
.953			-.4043						
.955		-.4757							
.965	-.5114								
1.000			-.3243		-.4473		-.4360		

BETA0 (1) = .070 ALPHA0(5) = 2.177

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1714	-.1372	.3456	.6344	.6050	.5820	.5857	.0134	
.010	-.1527	-.1246	.3758	.2610	.1384	.1313	.2687		
.020	-.1430	-.1201	.0000	.1673	.1260	.0879	.1621	.0860	
.040		-.1139	.2622						
.050	-.0339			.1495	.0672	.0832	.2035		
.069								.0825	
.080				.1384					
.081			.1754						
.086		.0716							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETLOS)

BETA0 (1) = .070 ALPHA0(5) = 2.177

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW
1.000

-.3098

-.4721

-.5240

BETA0 (1) = .070 ALPHA0(6) = 4.185

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000 -.1770 -.2266 .3285 .6319 .6225 .6134 .5752 -.0970

.010 -.1135 -.1714 .4117 .4059 .3202 .3790 .4577

.020 -.0669 -.0853 .0000 .2963 .2846 .3021 .3588 .0351

.040 -.0519 -.0514 .3174

.050 .2424 .2058 .2492 .3252

.069 .0675

.080 .2167

.081 .2283

.086 .0890

.094 -.0685

.150 .2199 .2481 .0000 .2765

.157 .0649

.163 .2500

.177 .2254

.229 -.0672

.246 .2053

.250 .2579 .2855 .3194 .2361

.274 .2519

.345 .0189

.362 .0000

.390 .2786

.400 .3153 .3423 .2107

.402 .3005

.418 -.6248

.497 .2450

.503 -.0316

.550 .2684 .2239

.565 .2625

.600 .0189

.637 .2638

.650 .0522

.670 -.2214

.700 .2850

.725 -.0679

.730 -.0400

.750 -.1035 -.1490

-.8241

ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL05)

BETA0 (1) = .070 ALPHA0(6) = 4.185

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.1782						
.775				-.2140	-.2138				
.798		-.2743							
.808			-.4042						
.834	-.2843								
.839		-.3669							
.850				-.4272	-.3719	-.3186			
.857			-.4991						
.862								-.3679	
.865	-.3369								
.879		-.4118							
.900	-.3362			-.5339			-.3709		
.905			-.5573						
.919		-.4453							
.950				-.3427	-.4400	-.4619			
.953			-.3502						
.955		-.4077							
.965	-.4548								
1.000			-.2677	-.3896			-.5611		

BETA0 (1) = .069 ALPHA0(7) = 6.212

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1762	-.3247	.2378	.5965	.6125	.6009	.5345	-.2198	
.010	-.0954	-.2460	.3884	.5148	.4565	.5314	.5746		
.020	-.0445	-.0844	.0000	.4031	.4043	.4381	.4804	-.0162	
.040		-.0388	.3583						
.050	-.0376			.3181	.3070	.3574	.4119		
.069								.0442	
.080				.2676					
.081			.2757						
.086		.1439							
.094	-.0488								
.150				.2647	.3012	.0000	.3250		
.157								.0652	
.163		.2751							
.177			.2543						
.229	-.0251								
.246		.2271							
.250				.2781	.3038	.3406	.2637		
.274			.2626						

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL05)

BETA0 (1) = .069 ALPHA0(7) = 6.212

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.345								.0245		
.352	.0000									
.390		.2846								
.400				.2987	.3317		.2227			
.402			.2936							
.418										-.6870
.497	.2545									
.503								-.0235		
.550				.2305	.2073					
.565			.2239							
.600							.0261			
.637		.2356								
.650						.0482				
.670								-.2166		
.700	.2720				-.0489					
.725				-.0897						
.730										-.8487
.750						-.0995	-.1415			
.750			-.2070							
.775				-.2284	-.2251					
.798		-.2819								
.808			-.4119							
.834	-.2702									
.839		-.3293								
.850				-.4336	-.4017	-.3175				
.857			-.4714							
.862								-.3678		
.865	-.3300									
.879		-.3836								
.900	-.3225			-.5377			-.3655			
.905			-.5172							
.919		-.4067								
.950				-.2933	-.4782	-.4563				
.953			-.3024							
.955		-.3182								
.965	-.3505									
1.000			-.1930		-.2902		-.4930			

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ARC11-019 IAB1 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL05)

BETA0 (1) = .069 ALPHA0 (8) = 7.214

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1705	-.3504	.1954	.5848	.6078	.5923	.5106	-.2705	
.010	-.0828	-.2475	.3726	.5465	.5132	.5961	.6212		
.020	-.0326	-.0884	.0000	.4378	.4595	.5009	.5357	-.0323	
.040		-.0458	.3726						
.050	-.0361			.3459	.3562	.4122	.4594		
.069								.0365	
.080				.2889					
.081			.2879						
.086		.1585							
.094	-.0170								
.150				.2819	.3304	.0000	.3545		
.157								.0716	
.163		.2815							
.177			.2607						
.229	.0394								
.246		.2358							
.250				.2905	.3228	.3574	.2873		
.274			.2745						
.345								.0358	
.362	.0000								
.390		.2905							
.400				.2968	.3341		.2395		
.402			.3016						
.418								-.7025	
.497	.2669								
.503								-.0123	
.550				.2211	.2051				
.565			.2198						
.600							.0371		
.637		.2326							
.650						.0612			
.670								-.2065	
.700	.2769				-.0454				
.725				-.0974					
.730								-.8405	
.750						-.1046	-.1308		
.760			-.2130						
.775				-.2320	-.2271				
.798		-.2843							
.808			-.4130						
.834	-.2672								
.839		-.3361							
.850				-.4306	-.4028	-.3131			
.857			-.4619						
.862								-.3608	

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(SBHL SEALED) LEFT WING BOT.

(RETL05)

BETA0 (1) = .069 ALPHA0(B) = 7.214

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH										
.865	-.3290									
.879		-.3870								
.900	-.3156				-.5345			-.3535		
.905				-.5102						
.919		-.3949								
.950					-.3121	-.5017	-.4513			
.953				-.3108						
.955		-.3023								
.965	-.3746									
1.000			-.1880			-.2848		-.4684		

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL06) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .600 CN/FT = 2.250
 ELV-1B = 8.000 ELV-0B = 4.000
 RUDDER = .000 SPOBRK = .000

ALPHA(1) = -6.048 BETA(1) = -.007

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0161	.0223	-.1671	-.2006	-.0453	-.0849	-.0579	-.6389	
.010	-.0235	-.0017	-.1382	-1.0167	-1.1865	-1.5250	-1.4483		
.020	-.0325	.0058	-.2171	-.8605	-1.1711	-1.3218	-1.3500	-.5625	
.040		.0106	-.2727						
.050	-.0361			-.4858	-.5911	-.7471	-1.0032		
.069								-.5239	
.080				-.3714					
.081			-.2308						
.086		.0266							
.094	-.0335								
.150				-.2278	-.2966	-.3639	-.4065		
.157								-.3674	
.163		-.0492							
.177			-.1530						
.229	.0084								
.246		-.1138							
.250				-.1549	-.2189	-.2663	-.2880		
.274			-.1011						
.345								-.2828	
.362	.0000								
.390		-.0539							
.400				-.1225	-.1689		-.2015		
.402			-.0609						
.418								-.3457	
.497	-.0428								
.503								-.2511	
.550				-.1794	-.1975				
.565			-.1509						
.600							-.1904		
.637		-.1446							
.650						-.1882			
.670								-.2316	
.700	-.0904				-.1954				
.725				-.1629					
.730								-.2105	
.750						-.1244	-.1646		
.760			-.1348						
.775				-.0044	-.0637				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL UNSEALED) LEFT WING BOT.

(RETL05)

ALPHA0 (1) = -6.048 BETA0 (1) = -.007

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.798			-.1732						
.808				-.1242					
.834	-.1927								
.839			-.1785						
.850					-.1878	-.1568	-.1856		
.857				-.2080					
.862									-.1624
.865	-.1813								
.879			-.2130						
.900	-.2072				-.1757			-.1118	
.905				-.2032					
.919			-.2087						
.950					-.0860	-.0896	-.0452		
.953				-.1205					
.955	-.1531								
.965	-.1695								
1.000				-.0016		.0515		.0569	

ALPHA0 (2) = -4.013 BETA0 (1) = -4.061

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.000	.0153	.0761	.2849	.4089	.3336	.2683	.2963		-.3199
.010	.0073	.0559	.0391	-.6195	-.8053	-1.0132	-.9406		
.020	-.0061	.0453	-.0523	-.5583	-.6594	-.7753	-.8958		-.3831
.040		.0554	-.1616						
.050	-.0185			-.3430	-.4147	-.5057	-.5605		
.069									-.3294
.080				-.2443					
.081			-.1569						
.086		.0719							
.094	-.0149								
.150				-.1314	-.1811	-.2299	-.2672		
.157									-.2425
.163		-.0005							
.177			-.0814						
.229	.0285								
.246		-.0590							
.250				-.0826	-.1395	-.1810	-.2094		
.274			-.0306						
.345									-.1857
.362	.0000								

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL06)

ALPHA(2) = -4.013 BETA(1) = -4.061

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.0103							
.400				-.0704	-.1158		-.1567		
.402			-.0005						
.418								-.1702	
.497	.0192								
.503								-.2020	
.550				-.1499	-.1622				
.565			-.1093						
.600							-.1730		
.637		-.1039							
.650						-.1642			
.670								-.1894	
.700	-.0113				-.1722				
.725				-.1542					
.730								-.1892	
.750						-.1058	-.1509		
.760			-.1220						
.775				.0209	-.0368				
.798		-.1679							
.808			-.1204						
.834	-.2433								
.839		-.1859							
.850				-.1879	-.1416	-.1826			
.857			-.2293						
.862								-.1291	
.865	-.2557								
.879		-.2372							
.900	-.2702			-.1816			-.1172		
.905			-.2282						
.919		-.2240							
.950				-.0911	-.0858	-.0432			
.953			-.1220						
.955		-.1415							
.965	-.1829								
1.000			.0269		.0628		.0581		

TABLE 1 - PRESSURE SOURCE DATA TABULATION

(RETL06)

ARC11-019 (AB) LVAP(ELHL UNSEALED) LEFT WING BOT.

ALPHA0(2) = -3.984 BETA0 (2) = .011

SECTION :	LEFT WING BOTTOM								DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000								
X/CW																	
.000	-.0210	.0445	.2328	.3211	.2120	.1414	.1600	-.4191									
.010	-.0163	.0423	.0081	-.7093	-.8767	-1.1320	-1.0924										
.020	-.0224	.0397	-.0704	-.6049	-.7828	-.9115	-.9875	-.4286									
.040		.0529	-.1752														
.050	-.0275			-.3710	-.4591	-.5556	-.6125										
.069				-.2885				-.3845									
.080																	
.081			-.1736														
.086		.0630															
.094	-.0285																
.150				-.1754	-.2245	-.2711	-.3068										
.157								-.2600									
.163		-.0123															
.177			-.1141														
.229	.0205																
.246		-.0840															
.250				-.1235	-.1742	-.2170	-.2401										
.274			-.0704														
.345								-.2007									
.362	.0000																
.390		-.0339															
.400				-.1040	-.1451		-.1808										
.402			-.0435														
.418																	-.2233
.497	-.0260																
.503								-.2107									
.550				-.1674	-.1845												
.565			-.1368														
.600							-.1876										
.637		-.1400															
.650						-.1860											
.670								-.1918									
.700	-.0842				-.1850												
.725				-.1632													

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL05)

ALPHA0(2) = -3.984 BETA0 (2) = .011

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.1791								
.879		-.2192							
.900	-.2127			-.1904			-.1267		
.905			-.2089						
.919		-.2065							
.950				-.0986	-.0973	-.0563			
.953			-.1220						
.955		-.1474							
.965	-.1723								
1.000			-.0040		.0510		.0618		

ALPHA0(2) = -3.968 BETA0 (3) = 4.081

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0490	.0271	.1917	.2562	.1371	.0684	.0802	-.4239	
.010	-.0415	.0372	.0263	-.6575	-.8422	-1.1059	-1.0526		
.020	-.0472	.0420	-.0421	-.5777	-.7642	-.8804	-.9651	-.3966	
.040		.0489	-.1361						
.050	-.0415			-.3520	-.4488	-.5469	-.6041		
.069								-.3729	
.080				-.2776					
.081			-.1504						
.086		.0564							
.094	-.0347								
.150				-.1746	-.2278	-.2753	-.3063		
.157								-.2468	
.163		-.0033							
.177			-.1085						
.229	-.0010								
.246		-.0753							
.250				-.1258	-.1814	-.2234	-.2426		
.274			-.0814						
.345								-.1930	
.362	.0000								
.390		-.0476							
.400				-.1178	-.1562		-.1892		
.402			-.0724						
.418								-.2248	
.497	-.0362								
.503								-.2019	
.550			-.1847	-.1975					

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IA91A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAR1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL06)

ALPHA(2) = -3.968 BETA(3) = 4.081

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.565			-.1637						
.600							-.1876		
.637		-.1641							
.650						-.1880			
.670								-.1792	
.700	-.1358				-.1980				
.725				-.1799					
.730								-.1714	
.750						-.1261	-.1648		
.760			-.1597						
.775				-.0376	-.0751				
.798		-.1976							
.808			-.1634						
.834	-.2053								
.839		-.1981							
.850				-.2066	-.1779	-.2060			
.857			-.2185						
.862								-.1089	
.865	-.1835								
.879		-.2242							
.900	-.2147			-.1987			-.1268		
.905			-.2132						
.919		-.2279							
.950				-.1183	-.1154	-.0669			
.953			-.1469						
.955		-.1779							
.965	-.1952								
1.000			-.0484		.0271		.0525		

ALPHA(3) = .074 BETA(1) = -6.097

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	.0253	.0984	.3698	.5530	.5356	.5165	.4865	-.0614	
.010	.0475	.1338	.3126	-.0053	-.0517	-.0122	.0188		
.020	.0444	.1503	.2325	-.0896	-.0575	-.0945	-.1291	-.0500	
.040		.1599	.0787						
.050	.0377			-.0605	-.0791	-.0950	-.1154		
.069								-.0832	
.080				-.0430					
.081			.0276						
.085		.1737							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL06)

ALPHA(3) = .074 BETA(1) = -6.097

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			.0424		.0688		.0515		

X/CW

1.000

.0424

.0688

.0515

ALPHA(3) = .072 BETA(2) = -4.067

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0047	.0739	.3461	.5195	.4962	.4804	.4488	-.0990	
.010	.0248	.1131	.2802	-.0566	-.1141	-.0846	-.0392		
.020	.0218	.1263	.2065	-.1366	-.1051	-.1461	-.1774	-.0816	
.040		.1407	.0573						
.050	.0187			-.0895	-.1099	-.1388	-.1574		
.069								-.1110	
.080				-.0693					
.081			.0030						
.086		.1576							
.094	.0207								
.150				-.0286	-.0389	-.0670	-.1038		
.157								-.1163	
.163		.1025							
.177			.0215						
.229	.0697								
.246		.0282							
.250				.0059	-.0331	-.0734	-.1037		
.274			.0410						
.345								-.1242	
.362	.0000								
.390		.0682							
.400				-.0153	-.0541		-.1016		
.402			.0521						
.418									-.3010
.497	.0754								
.503								-.1720	
.550				-.1122	-.1209				
.565		-.0818							
.600							-.1520		
.637	-.0773								
.650					-.1443				
.670								-.1893	
.700	.0130			-.1572					
.725			-.1308						
.730									-.7436
.750					-.0891	-.1531			

X/CW

.000

-.0047

.0739

.3461

.5195

.4962

.4804

.4488

-.0990

.010

.0248

.1131

.2802

-.0566

-.1141

-.0846

-.0392

.020

.0218

.1263

.2065

-.1366

-.1051

-.1461

-.1774

-.0816

.040

.1407

.0573

.050

.0187

-.0895

-.1099

-.1388

-.1574

.069

-.1110

.080

-.0693

.081

.0030

.086

.1576

.094

.0207

.150

-.0286

-.0389

-.0670

-.1038

.157

-.1163

.163

.1025

.177

.0215

.229

.0697

.246

.0282

.250

.0059

-.0331

-.0734

-.1037

.274

.0410

.345

-.1242

.362

.0000

.390

.0682

.400

-.0153

-.0541

-.1016

.402

.0521

.418

-.3010

.497

.0754

.503

-.1720

.550

-.1122

-.1209

.565

-.0818

.600

-.1520

.637

-.0773

.650

-.1443

.670

-.1893

.700

.0130

-.1572

.725

-.1308

.730

-.7436

.750

-.0891

-.1531

ARC11-019 IAB1 LVAP (ELHL UNSEALD) LEFT WING BOT.

(RETL06)

ALPHA0(3) = .072 BETA0 (2) = -4.067

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.760			-.1050						
	.775				.0572	-.0153				
	.798		-.1432							
	.808			-.0881						
	.834	-.2247								
	.839		-.1553							
	.850				-.1756	-.1398	-.1989			
	.857			-.2093						
	.862								-.1815	
	.865	-.2397								
	.879		-.2191							
	.900	-.2598			-.1777			-.1520		
	.905			-.2209						
	.919		-.2165							
	.950				-.0909	-.0946	-.0655			
	.953			-.1224						
	.955		-.1327							
	.965	-.1663								
	1.000			.0352		.0552		.0492		

ALPHA0(3) = .076 BETA0 (3) = -.005

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.000	-.0571	.0308	.2881	.4484	.4196	.3964	.3803	-.1456	
	.010	-.0309	.0617	.2311	-.1466	-.2410	-.2419	-.1918		
	.020	-.0179	.0803	.1655	-.2055	-.2130	-.2566	-.3087	-.1382	
	.040		.1016	.0259						
	.050	-.0106			-.1455	-.1935	-.2144	-.2381		
	.069								-.1661	
	.080				-.1179					
	.081			-.0344						
	.086		.1282							
	.094	-.0044								
	.150				-.0617	-.0776	-.1170	-.1538		
	.157								-.1556	
	.163		.0776							
	.177			-.0338						
	.229	.0441								
	.246		-.0041							
	.250				-.0389	-.0791	-.1033	-.1419		
	.274			-.0085						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL08)

ALPHA0(3) = .076 BETA0(3) = -.005

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CN									
.345								-.1524	
.362	.0000								
.390		.0208							
.400				-.0596	-.0868		-.1224		
.402			-.0095						
.418								-.2777	
.497	.0271								
.503								-.1835	
.550				-.1397	-.1469				
.565			-.1232						
.600							-.1698		
.637		-.1142							
.650						-.1623			
.670								-.2036	
.700	-.0576				-.1706				
.725				-.1434					
.730								-.6101	
.750						-.1054	-.1677		
.760			-.1211						
.775				.0344	-.0367				
.798		-.1565							
.808			-.1105						
.834	-.2074								
.839		-.1560							
.850				-.1877	-.1569	-.2039			
.857			-.2120						
.862								-.1764	
.865	-.1981								
.879		-.2111							
.900	-.2177			-.1856			-.1508		
.905			-.2189						
.919		-.2031							
.950				-.1023	-.1058	-.0722			
.953			-.1279						
.955		-.1454							
.965	-.1661								
1.000			.0069		.0483		.0363		

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL06)

ALPHA(3) = .087 BETA(4) = 4.063

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1099	-.0157	.2351	.3873	.3505	.3313	.3129	-.1843	
.010	-.0907	.0019	.1981	-.1554	-.2607	-.2634	-.2225		
.020	-.0634	.0370	.1531	-.2090	-.2233	-.2776	-.3236	-.1737	
.040		.0572	.0289						
.050	-.0418			-.1453	-.2027	-.2259	-.2520		
.069								-.1911	
.080				-.1231					
.081			-.0292						
.086		.0918							
.094	-.0304								
.150				-.0711	-.0958	-.1335	-.1714		
.157								-.1753	
.163		.0604							
.177			-.0292						
.229	.0216								
.246		-.0059							
.250				-.0600	-.0942	-.1225	-.1553		
.274			-.0287						
.345								-.1643	
.362	.0000								
.390		.0021							
.400				-.0759	-.1003		-.1437		
.402			-.0282						
.418								-.3159	
.497	.0113								
.503								-.1943	
.550			-.1491	-.1600					
.565			-.1291						
.600							-.1795		
.637		-.1425							
.650						-.1736			
.670								-.2190	
.700	-.1087			-.1837					
.725			-.1618						
.730								-.5927	
.750						-.1141	-.1732		
.760			-.1497						
.775				-.0096	-.0539				
.798		-.1823							
.808			-.1455						
.834	-.1989								
.839		-.1828							
.850			-.1922	-.1742	-.2157				
.857			-.2026						
.862								-.1741	

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL06)

ALPHA0(3) = .087 BETA0 (4) = 4.063

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.1757								
.879		-.2146							
.900	-.1999			-.1953				-.1548	
.905			-.2010						
.919		-.2135							
.950				-.1221	-.1151	-.0772			
.953			-.1392						
.955		-.1727							
.965	-.1792								
1.000			-.0451		.0310		.0418		

ALPHA0(3) = .090 BETA0 (5) = 6.100

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1412	-.0280	.1843	.3696	.3147	.2911	.2775	-.2004	
.010	-.1232	-.0115	.1680	-.1418	-.2760	-.2884	-.2445		
.020	-.1039	.0163	.1266	-.1838	-.2274	-.2799	-.3327	-.1773	
.040		.0312	.0320						
.050	-.0633			-.1291	-.2031	-.2345	-.2556		
.069								-.2005	
.080				-.1099					
.081			-.0142						
.086		.0691							
.094	-.0472								
.150				-.0711	-.0895	-.1335	-.1728		
.157								-.1852	
.163		.0568							
.177			-.0237						
.229	.0053								
.246		-.0081							
.250			-.0579	-.0969	-.1256	-.1528			
.274			-.0237						
.345								-.1652	
.362	.0000								
.390		-.0044							
.400			-.0780	-.1031		-.1385			
.402			-.0344						
.418								-.3076	
.497	.0037								
.503								-.1900	
.550			-.1466	-.1582					

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL06)

ALPHA(3) = .090 BETA(5) = 6.100

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.1390						
.600							-.1713		
.637		-.1424							
.650						-.1647			
.670								-.2090	
.700	-.1318				-.1772				
.725				-.1535					
.730									-.5682
.750						-.1118	-.1713		
.760			-.1440						
.775				-.0414	-.0623				
.798		-.1824							
.808			-.1366						
.834	-.1827								
.839		-.1904							
.850				-.1691	-.1703	-.2102			
.857			-.1959						
.862								-.1652	
.865	-.1671								
.879		-.2197							
.900	-.1998			-.1670			-.1475		
.905			-.2023						
.919		-.2170							
.950				-.1024	-.1195	-.0790			
.953			-.1482						
.955		-.1802							
.965	-.1938								
1.000			-.0528		.0193		.0483		

ALPHA(4) = 4.240 BETA(1) = -4.061

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0627	-.0274	.2853	.4762	.4337	.3732	.2259	-.4226	
.010	-.0637	.0457	.3719	.2968	.3030	.3901	.3923		
.020	.0238	.1204	.3497	.1763	.2377	.2543	.2675	-.2039	
.040		.1529	.2152						
.050	.0440			.1094	.1312	.1492	.1500		
.069								-.1539	
.080				.0855					
.081			.1253						
.086		.2105							

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(RETL06)

DEPENDENT VARIABLE CP.

X/CW

.094	.0471					
.150			.0892	.0912	.0883	.0478
.157						-.1291
.163	.1774					
.177		.1041				
.229	.1031					
.246	.1016					
.250			.0791	.0532	.0394	-.0005
.274		.1025				
.345						-.1281
.362	.0000					
.390	.1133					
.400			.0329	.0140		-.0348
.402		.0961				
.418						-1.0954
.497	.1202					
.503						-.1850
.550			-.0722	-.0658		
.565		-.0584				
.600					-.1191	
.637	-.0561					
.650					-.1103	
.670						-.2082
.700	.0435			-.1286		
.725			-.1083			
.730						-1.7512
.750					-.0660	-.1354
.760		-.0880				
.775			.0850	.0092		
.798	-.1319					
.808		-.0748				
.834	-.2033					
.839	-.1599					
.850			-.1634	-.1255	-.1972	
.857		-.2050				
.862						-.2435
.865	-.2370					
.879	-.2219					
.900	-.2608		-.1665			-.1765
.905		-.2161				
.919	-.2129					
.950			-.0954	-.0985	-.0818	
.953		-.1235				
.955	-.1361					
.965	-.1612					

ARC11-019 1AB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETLD6)

ALPHA0 (4) = 5.240 BETA0 (1) = -4.061

SECTION 1 LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8670	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW				
1.000	.0279	.0488	-.0021	

ALPHA0(4) = 4.239 BETA0 (2) = -.008

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW								
.000	-.1373	-.0837	.2289	.4337	.3961	.3511	.2200	-.4238
.010	-.0802	-.0271	.3111	.2170	.2050	.2950	.3037	
.020	-.0404	.0650	.2933	.1021	.1526	.1728	.1677	-.2398
.040		.0999	.1734					
.050	-.0018			.0552	.0610	.0774	.0756	
.069								-.1947
.080				.0363				
.081			.0845					
.086		.1697						
.094	.0100							
.150				.0400	.0416	.0364	-.0039	
.157								-.1690
.163		.1533						
.177			.0608					
.229	.0748							
.246		.0654						
.250				.0331	.0112	-.0086	-.0474	
.274			.0514					
.345								-.1617
.362	.0000							
.390		.0722						
.400				-.0011	-.0254		-.0731	
.402			.0411					
.418								-.9984
.497	.0768							
.503								-.2099
.550				-.1007	-.1040			
.565			-.0853					
.600							-.1459	
.637		-.0976						
.650						-.1347		
.670								-.2272
.700	-.0321				-.1459			
.725				-.1192				
.730								-.15177
.750						-.0829	-.1564	

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL06)

ALPHA(4) = 4.239 BETA(2) = -.008

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.0953						
.775				.0679	-.0117				
.798		-.1380							
.808			-.0817						
.834	-.1920								
.839		-.1564							
.850				-.1716	-.1412	-.2075			
.857			-.2021						
.862								-.2468	
.865	-.1946								
.879		-.2001							
.900	-.2177			-.1852			-.1732		
.905			-.2184						
.919		-.1995							
.950				-.1071	-.1040	-.0824			
.953			-.1316						
.955		-.1401							
.965	-.1545								
1.000			.0035		.0538		.0166		

ALPHA(4) = 4.236 BETA(3) = 4.070

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2086	-.1389	.1662	.3769	.3426	.3014	.1683	-.4924	
.010	-.1645	-.1195	.2535	.1853	.1527	.2340	.2441		
.020	-.1051	-.0159	.2456	.0764	.1028	.1197	.1259	-.3081	
.040		.0175	.1457						
.050	-.0569			.0346	.0313	.0376	.0408		
.069								-.2592	
.080				.0198					
.081			.0727						
.086		.1099							
.094	-.0264								
.150				.0208	.0198	.0103	-.0322		
.157								-.2165	
.163		.1179							
.177			.0421						
.229	.0363								
.246		.0571							
.250				.0145	-.0097	-.0281	-.0693		
.274			.0389						

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ARC11-019 IAB1 LVAPI(LHL UNSEALED) LEFT WING BOT.

(RETLOS)

ALPHA(4) = 4.236 BETA(3) = 4.070

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.1902	
.362	.0000								
.390		.0523							
.400				-.0252	-.0446		-.0914		
.402			.0125						
.418								-1.0433	
.497	.0534								
.503								-.2318	
.550				-.1151	-.1169				
.565			-.1112						
.600							-.1579		
.637		-.1140							
.650						-.1471			
.670							-.2507		
.700	-.0818				-.1575				
.725				-.1346					
.730								-1.3654	
.750						-.0934	-.1653		
.760			-.1220						
.775				.0277	-.0272				
.798		-.1601							
.808			-.1226						
.834	-.1941								
.839		-.1691							
.850				-.1798	-.1596	-.2161			
.857			-.1917						
.862								-.2429	
.865	-.1579								
.879		-.1956							
.900	-.1916			-.1835			-.1758		
.905			-.1901						
.919		-.1998							
.950				-.1113	-.1195	-.0892			
.953			-.1336						
.955		-.1500							
.965	-.1682								
1.000			-.0350		.0366		.0199		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 687

ARC11-019 IAB1 LVAPIELHL UNSEALED LEFT WING BOT.

(RETLOG)

ALPHA(5) = 8.382 BETA(1) = -.008

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2612	-.2767	.0640	.2864	.1822	.0212	-.2960	-1.2391	
.010	-.1688	-.2037	.2996	.4345	.4500	.4791	.4296		
.020	-.0828	-.0079	.3529	.3165	.3895	.4128	.3934	-.6599	
.040		.0603	.2785						
.050	-.0030			.2077	.2611	.2961	.2904		
.069								-.4215	
.080				.1599					
.081			.1830						
.086		.2042							
.094	.0284								
.150				.1328	.1637	.1737	.1333		
.157								-.2716	
.163		.2148							
.177			.1308						
.229	.0984								
.246		.1243							
.250				.0972	.1043	.1007	.0550		
.274			.1113						
.345								-.2032	
.362	.0000								
.390		.1237							
.400				.0382	.0390		-.0060		
.402			.0870						
.418								-2.1324	
.497	.1211								
.503								-.2495	
.550				-.0691	-.0514				
.565		-.0628							
.600							-.1033		
.637		-.0682							
.650					-.0906				
.670								-.2295	
.700	-.0020				-.1176				
.725			-.0983						
.730								-1.6281	
.750						-.0501	-.1175		
.760		-.0734							
.775			.0812	.0159					
.798		-.1205							
.808		-.0623							
.834	-.1699								
.839		-.1427							
.850			-.1615	-.1339	-.1988				
.857		-.1953							
.862								-.3003	

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL06)

ALPHA0(5) = 8.382 BETA0 (1) = -.008

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.865	-.1817								
.879		-.1972							
.900	-.2116			-.1778			-.1864		
.905			-.2121						
.919		-.1961							
.950				-.1173	-.1182	-.0964			
.953			-.1304						
.955		-.1337							
.965	-.1413								
1.000			.0000		.0385		-.0644		

ALPHA0(6) = 10.453 BETA0 (1) = .004

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.3246	-.3726	.0024	.1935	.0529	-.1682	-.5883	-1.7825	
.010	-.2005	-.2803	.2588	.4517	.5253	.5030	.4117		
.020	-.0971	-.0353	.3231	.3603	.4696	.4951	.4427	-.9062	
.040		.0358	.2736						
.050	-.0014			.2526	.3387	.3795	.3697		
.069								-.5320	
.080				.2072					
.081			.1919						
.086		.2034							
.094	.0386								
.150				.1654	.2189	.2353	.1913		
.157								-.3213	
.163		.2188							
.177			.1513						
.229	.1077								
.246		.1339							
.250				.1269	.1427	.1493	.1005		
.274			.1292						
.345								-.2089	
.362	.0000								
.390		.1334							
.400				.0540	.0615		.0359		
.402			.1054						
.418									-2.6039
.497	.1290								
.503								-.2504	
.550				-.0533	-.0363				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL05)

ALPHA(6) = 10.453 BETA(1) = .004

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.565			-.0501						
.600							-.0792		
.637		-.0558							
.650						-.0748			
.670								-.2289	
.700	.0074				-.1162				
.725			-.0881						
.730									-1.6763
.750						-.0460	-.1075		
.760			-.0806						
.775				.0693	.0115				
.798		-.1287							
.808			-.0759						
.834	-.1725								
.839		-.1440							
.850				-.1652	-.1404	-.1982			
.857			-.1961						
.862								-.3243	
.865	-.1844								
.879		-.1979							
.900	-.2182			-.1725			-.1958		
.905			-.1945						
.919		-.1979							
.950				-.1184	-.1209	-.1079			
.953			-.1191						
.955		-.1303							
.965	-.1424								
1.000			.0069		.0278		-.0781		

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .900 RN/FT = 2.250
 ELV-18 = 8.000 ELV-08 = 4.000
 RUDDER = .000 SPDBRK = .000

ALPHA0 (1) = -11.207 BETA0 (1) = -4.037

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0299	.0870	.3104	.4243	.3164	.2586	.2705	-.5070	
.010	.0075	.0491	.0099	-.8035	-.8509	-.8338	-.7624		
.020	-.0035	.0546	-.0808	-.7175	-.8273	-.7345	-.7164	-.4625	
.040		.0625	-.1820						
.050	-.0095			-.3650	-.7843	-.7008	-.6472		
.069								-.4564	
.080				-.2828					
.081			-.1637						
.086		.1003							
.094	-.0054								
.150				-.1146	-.1838	-.4860	-.5200		
.157								-.4239	
.163		.0810							
.177			-.0707						
.229	.0729								
.246		-.0341							
.250				-.0167	-.0784	-.1797	-.3809		
.274			.0235						
.345								-.4073	
.362	.0000								
.390		.0776							
.400				.0566	-.0338		-.2799		
.402			.1080						
.418								-.3277	
.497	.0733								
.503								-.3984	
.550				-.0572	-.1812				
.565		.0306							
.600							-.3728		
.637		.0618							
.650						-.3799			
.670							-.3791		
.700	.1596				-.4844				
.725				-.5158					
.730								-.4102	
.750						-.3259	-.3551		
.760			-.2978						
.775				-.0988	-.2325				

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 (A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA(1) = -11.207 BETA(1) = -4.037

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.798		-.2684							
.808			-.1590						
.834	-.2959								
.839		-.2321							
.850				-.3198	-.3193	-.2827			
.857			-.3325						
.862								-.1455	
.865	-.2797								
.879		-.3400							
.900	-.3122			-.3674				-.1427	
.905			-.4153						
.919		-.3728							
.950				-.0949	-.0801	-.0288			
.953			-.1687						
.955		-.2298							
.965	-.2663								
1.000			-.0056		.0676		.0685		

ALPHA(1) = -8.084 BETA(2) = -2.018

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	.0189	.0748	.2779	.3734	.2536	.1942	.2045	-.4901	
.010	.0010	.0485	-.0128	-.8484	-.8762	-.8015	-.7318		
.020	-.0065	.0567	-.0943	-.7484	-.8591	-.7298	-.5958	-.4588	
.040		.0658	-.1938						
.050	-.0111			-.3966	-.8463	-.6997	-.6409		
.069								-.4649	
.080				-.3073					
.081			-.1844						
.086		.0933							
.034	-.0058								
.150				-.1435	-.2044	-.5833	-.5585		
.157								-.4390	
.163		.0249							
.177			-.0959						
.229	.0582								
.246		-.0585							
.250				-.0420	-.0937	-.2838	-.4765		
.274			-.0128						
.345								-.4472	
.362	.0000								

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA0(1) = -8.684 BETA0 (2) = -2.018

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.0408							
.400				.0353	-.0540		-.3583		
.402			.0711						
.418									-.3655
.497	.0376								
.503								-.4410	
.550				-.0704	-.1995				
.565			.0013						
.600							-.4012		
.637		.0238							
.650						-.4022			
.670								-.3815	
.700	.0974				-.5032				
.725				-.4931					
.730									-.4037
.750						-.3565	-.3737		
.760			-.2882						
.775				-.1101	-.2477				
.798		-.2737							
.808			-.1863						
.834	-.2913								
.839		-.2493							
.850				-.3442	-.3384	-.2997			
.857			-.3311						
.862								-.1541	
.865	-.2639								
.879		-.3374							
.900	-.2932			-.3717				-.1508	
.905			-.3740						
.919		-.3432							
.950				-.1084	-.1076	-.0781			
.953			-.1805						
.955		-.2385							
.965	-.2575								
1.000			-.0377		.0552		.0641		

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TABLE - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB: LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA0(1) = -6.128 BETA0 (3) = .034

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	.0138	.0714	.2548	.3298	.1916	.1272	.1347	-.4562
.010	.0090	.0588	.0019	-.8353	-.9212	-.8193	-.7221	
.020	.0002	.0659	-.0772	-.7277	-.9026	-.7579	-.6993	-.4500
.040		.0757	-.1763					
.050	-.0059			-.3891	-.9030	-.7355	-.6649	
.069								-.4537
.080				-.3167				
.081			-.1739					
.086		.0950						
.094	-.0025							
.150				-.1743	-.2311	-.6699	-.6335	
.157								-.4509
.163		.0292						
.177			-.1151					
.229	.0547							
.246		-.0587						
.250				-.0846	-.1312	-.3295	-.5885	
.274			-.0542					
.345								-.4512
.362	.0000							
.390		.0047						
.400				-.0073	-.0833		-.4412	
.402			.0062					
.418								
.497	.0059							-.4520
.503								
.550				-.0977	-.2269			
.565			-.0620					
.600							-.4052	
.637		-.0571						
.650						-.4289		
.670								-.4064
.700	-.0082				-.5254			
.725				-.5021				
.730								
.750						-.4092	-.3866	
.760			-.3221					
.775				-.1873	-.2937			
.798		-.3162						
.808			-.2262					
.834	-.3066							
.839		-.2610						
.850				-.3710	-.3995	-.4003		
.857			-.3614					
.862								-.1745

ARC11-012 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA(1) = -6.128 BETA(3) = .034

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.3009								
.879		-.3447							
.900	-.3157			-.4272				-.1546	
.905			-.4223						
.919		-.3582							
.950				-.1455	-.1729	-.0591			
.953			-.2266						
.955		-.2548							
.965	-.2784								
1.000			-.0636		.0017		.0635		

ALPHA(1) = -6.115 BETA(4) = 2.098

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0004	.0711	.2392	.2998	.1408	.0590	.0703	-.4463	
.010	.0038	.0756	.0227	-.8069	-.8270	-.8344	-.7272		
.020	.0011	.0779	-.0438	-.7168	-.9196	-.7881	-.7055	-.4464	
.040		.0866	-.1419						
.050	.0015			-.3954	-.9123	-.7668	-.6869		
.069								-.4564	
.080				-.3271					
.081			-.1422						
.086		.0984							
.094	.0045								
.150				-.1964	-.2327	-.7261	-.6889		
.157								-.4564	
.163		.0390							
.177			-.1082						
.229	.0511								
.246		-.0402							
.250				-.1241	-.1610	-.2810	-.6368		
.274			-.0676						
.345								-.4626	
.362	.0000								
.390		-.0151							
.400				-.0657	-.1152		-.4714		
.402			-.0399						
.418								-.4165	
.497	-.0031								
.503								-.4676	
.550				-.1542	-.2518				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA(1) = -6.115 BETA(4) = 2.098

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.1266						
.600							-.3821		
.637		-.1254							
.650						-.4543			
.670								-.4229	
.700	-.0909				-.5325				
.725			-.4450						
.730									-.4134
.750						-.4055	-.3732		
.760			-.2780						
.775				-.1434	-.2336				
.798		-.2886							
.808			-.2476						
.834	-.2943								
.839		-.2766							
.850			-.3944	-.4167	-.3880				
.857			-.3622						
.862								-.2043	
.865	-.2794								
.879		-.3246							
.900	-.2898			-.4480			-.1757		
.905			-.3841						
.919		-.3289							
.950			-.1948	-.2131	-.0782				
.953			-.2531						
.955		-.2619							
.965	-.2663								
1.000			-.1061		-.0478		.0689		

ALPHA(1) = -6.107 BETA(5) = 4.143

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0270	.0683	.2297	.2813	.1099	.0314	.0299	-.4593	
.010	-.0195	.0726	.0322	-.7690	-.8937	-.8208	-.7408		
.020	-.0099	.0813	-.0323	-.6837	-.8828	-.7770	-.7230	-.4635	
.040		.0892	-.1123						
.050	-.0004			-.3694	-.8506	-.7534	-.7086		
.069								-.4747	
.080				-.3043					
.081			-.1147						
.086		.0967							

ORIGINAL PAGE IS
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(RETL07)

DEPENDENT VARIABLE CP

.965

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 697

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA0(1) = -6.107 BETA0 (5) = 4.143

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW			
1.000	-.1373	-.0700	.0690

ALPHA0(2) = -4.084 . BETA0 (1) = -6.127

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2980	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW									
.000	.0473	.1402	.4040	.5490	.4714	.4348	.4293	-.3039	
.010	.0415	.1297	.1854	-.4407	-.6549	-.7443	-.6515		
.020	.0239	.1270	.0939	-.4253	-.5507	-.5925	-.7005	-.3421	
.040		.1356	-.0431						
.050	.0133			-.2400	-.3925	-.4762	-.6611		
.069								-.3660	
.080				-.1514					
.081			-.0532						
.086		.1584							
.094	.0159								
.150				-.0066	-.0517	-.1225	-.2135		
.157								-.3082	
.163		.0971							
.177			.0153						
.229	.0939								
.246		.0366							
.250				.0666	-.0054	-.0858	-.1809		
.274			.0908						
.345								-.3021	
.362	.0000								
.390		.1371							
.400				.1085	.0097		-.1859		
.402			.1643						
.418								-.3233	
.497	.1258								
.503								-.3861	
.550				-.0197	-.1496				
.565			.0701						
.600							-.3792		
.637		.1017							
.650						-.3756			
.670								-.3537	
.700	.2147				-.4698				
.725				-.5104					
.730									-.4471
.750						-.3354	-.3333		

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA0(2) = -4.084 BETA0 (1) = -6.127

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.760			-.2978							
.775				-.0906	-.1955					
.798		-.2753								
.808			-.1131							
.834	-.2889									
.839		-.1910								
.850				-.2913	-.2889	-.2558				
.857			-.3153							
.862								-.1377		
.865	-.2763									
.879		-.3366								
.900	-.3330			-.3662				-.1265		
.905			-.4506							
.919		-.3697								
.950				-.0823	-.0605	-.0112				
.953			-.1380							
.955		-.2010								
.965	-.2605									
1.000			.0265		.0880		.0837			

ALPHA0(2) = -4.075 BETA0 (2) = -4.085

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.000	.0335	.1205	.3729	.5062	.4201	.3764	.3758	-.3446		
.010	.0314	.1147	.1592	-.5090	-.6960	-.7867	-.7174			
.020	.0164	.1123	.0658	-.4718	-.6248	-.6524	-.7059	-.3929		
.040		.1237	-.0678							
.050	.0080			-.2748	-.4468	-.5031	-.6997			
.069								-.3760		
.080				-.1780						
.081			-.0767							
.086		.1487								
.094	.0073									
.150				-.0383	-.0780	-.1524	-.2622			
.157								-.3127		
.163		.0838								
.177			-.0070							
.229	.0816									
.246		.0154								
.250				.0389	-.0230	-.0964	-.1919			
.274			.0670							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAPIELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA(2) = -4.075 BETA(2) = -4.085

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/DW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.345										-.3246
.362	.0000									
.390		.1177								
.400				.0881	.0009					
.402			.1429							
.418										-.3473
.497	.1077									
.503										-.3998
.550				-.0344	-.1552					
.565			.0507							
.600										-.3944
.637		.0851								
.650						-.3850				
.670										-.4167
.700	.1801					-.4794				
.725				-.5228						
.730										-.5325
.750						-.3693	-.3802			
.760			-.3195							
.775				-.1216	-.2708					
.798		-.3031								
.808			-.1433							
.834	-.3048									
.839		-.2153								
.850				-.3226	-.3508	-.4146				
.857			-.3246							
.862										-.1095
.865	-.2686									
.879		-.3418								
.900	-.3214			-.4245						-.1194
.905			-.4535							
.919		-.3851								
.950				-.1057	-.0779	-.0150				
.953			-.1662							
.955		-.2376								
.965	-.2750									
1.000			-.0081		.0691		.0865			

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHAD(2) = -4.057 BETA0 (3) = .023

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0089	.0907	.3123	.4070	.2971	.2439	.2447	-.4315	
.010	.0191	.0964	.1248	-.5766	-.7726	-.8700	-.8485		
.020	.0100	.0988	.0426	-.5226	-.7252	-.7360	-.7610	-.4110	
.040		.1082	-.0791						
.050	.0027			-.3197	-.5499	-.6242	-.7470		
.069								-.4188	
.080				-.2436					
.081			-.1069						
.086		.1256							
.094	.0054								
.150				-.1206	-.1733	-.2558	-.4314		
.157								-.3913	
.163		.0636							
.177			-.0642						
.229	.0630								
.246		-.0171							
.250				-.0496	-.0959	-.1611	-.2376		
.274			-.0165						
.345								-.4021	
.362	.0000								
.390		.0344							
.400				.0016	-.0606		-.2353		
.402			.0383						
.418								-.3803	
.497	.0367								
.503								-.4599	
.550				-.1031	-.2123				
.565			-.0415						
.600							-.4361		
.637		-.0438							
.650						-.4344			
.670								-.4785	
.700	.0096				-.5327				
.725				-.5389					
.730								-.5180	
.750						-.4150	-.4268		
.760			-.3083						
.775				-.1090	-.2654				
.738		-.3054							
.808			-.2002						
.834	-.3010								
.839		-.2488							
.850				-.3579	-.3865	-.3847			
.857			-.3510						
.862								-.1216	

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ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA(2) = -4.057 BETA(3) = .023

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2907								
.879		-.3391							
.900	-.3148			-.4945				-.1199	
.905			-.4321						
.919		-.3550							
.950				-.1634	-.1393	-.0461			
.953			-.2312						
.955		-.2465							
.965	-.2655								
1.000			-.0674		.0162		.0817		

ALPHA(2) = -4.038 BETA(4) = 4.117

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0497	.0698	.2678	.3494	.2151	.1523	.1480	-.4625	
.010	-.0345	.0756	.1313	-.5263	-.7307	-.8751	-.8425		
.020	-.0256	.0843	.0859	-.4627	-.6977	-.7541	-.7626	-.4395	
.040		.0930	-.0369						
.050	-.0103			-.2814	-.4643	-.6691	-.7262		
.069								-.4469	
.080				-.2225					
.081			-.0709						
.086		.1044							
.094	-.0011								
.150				-.1252	-.1890	-.2507	-.4838		
.157								-.4310	
.163		.0615							
.177			-.0471						
.229	.0444								
.246		.0051							
.250			-.0748	-.1366	-.1898	-.2716			
.274			-.0213						
.345								-.4535	
.362	.0000								
.390		.0240							
.400			-.0589	-.1020		-.2627			
.402			-.0213						
.418								-.4014	
.497	.0253								
.503								-.4852	
.550			-.1655	-.2456					

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA0(2) = -4.038 BETA0 (4) = 4.117

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.1343						
.600							-.4633		
.637		-.1222							
.650						-.4592			
.670								-.4786	
.700	-.1014				-.4554				
.725				-.3651					
.730									-.5161
.750						-.3342	-.4048		
.760			-.2576						
.775				-.1124	-.1852				
.798		-.2716							
.808			-.2595						
.834	-.2806								
.839		-.2859							
.850				-.3836	-.4446	-.5089			
.857			-.3537						
.862								-.1089	
.865	-.2695								
.879		-.3165							
.900	-.2818			-.4058			-.1488		
.905			-.3525						
.919		-.3157							
.950				-.2215	-.2197	-.0865			
.953			-.2713						
.955		-.2658							
.965	-.2658								
1.000			-.1439		-.0664		.0568		

ALPHA0(2) = -4.037 BETA0 (5) = 6.169

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1015	.0616	.2284	.3431	.1838	.1019	.0901	-.4588	
.010	-.0926	.0683	.1229	-.4884	-.7044	-.8593	-.8327		
.020	-.0670	.0754	.0724	-.4274	-.6808	-.7474	-.7679	-.4491	
.040		.0865	-.0093						
.050	-.0384			-.2558	-.4534	-.6781	-.7218		
.069								-.4630	
.080				-.1976					
.081			-.0480						
.086		.1007							

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(RETL07)

DEPENDENT VARIABLE CP

X/CW

.094	-.0155					
.150			-.1107	-.1806	-.2617	-.5135
.157						-.4553
.163	.0596					
.177		-.0324				
.229	.0295					
.246	.0089					
.250			-.0699	-.1414	-.2063	-.2934
.274		-.0171				
.345						-.4596
.362	.0000					
.390	.0271					
.400			-.0761	-.1308		-.2756
.402		-.0214				
.418						-.4111
.497	.0284					
.503						-.4801
.550			-.1902	-.2628		
.565		-.1485				
.600					-.4712	
.637	-.1430					
.650					-.4646	
.670						-.4111
.700	-.1479			-.4385		
.725			-.3238			
.730						-.5017
.750					-.2951	-.3755
.760		-.2522				
.775			-.1363	-.1861		
.798	-.2950					
.808		-.2698				
.834	-.2891					
.839	-.2690					
.850			-.3692	-.4350	-.4871	
.857		-.3515				
.862						-.1034
.865	-.2876					
.879	-.3007					
.900	-.2845		-.3385			-.1540
.905		-.3511				
.919	-.3003					
.950			-.2256	-.2415	-.1004	
.953		-.2784				
.955	-.2663					
.965	-.2779					

(RETL07)

X/CH								
.000	.0441	.1562	.4414	.6009	.5539	.5207	.5031	-.1385
.010	.0501	.1700	.2991	-.1639	-.3132	-.3307	-.2843	
.020	.0349	.1723	.2060	-.2131	-.2319	-.3030	-.4232	-.1654
.040		.1817	.0534					
.050	.0257			-.1109	-.1726	-.2100	-.2781	
.069								-.2258
.080				-.0583				
.081			.0174					
.086		.2056						
.094	.0307							
.150				.0589	.0216	-.0322	-.1195	
.157								-.2342
.163		.1473						
.177			.0655					
.229	.1073							
.246		.0801						
.250				.1080	.0421	-.0303	-.1346	
.274			.1176					
.345								-.2838
.362	.0000							
.390		.1732						
.400				.1330	.0315		-.1601	
.402			.1829					
.418								
.497	.1563							
.503								-.3733
.550				-.0072	-.1376			
.565			.0808					
.600							-.3779	
.637		.1153						
.650						-.3665		
.670								-.4098
.700	.2238				-.4693			
.725				-.5046				
.730								
.750						-.2836	-.3075	

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA0(3) = -2.013 BETA0 (1) = -6.133

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.3020						
.775				-.0579	-.1330				
.798		-.2422							
.808			-.0903						
.834	-.2739								
.839		-.1622							
.850				-.2852	-.2735	-.3251			
.857			-.3090						
.862								-.1888	
.865	-.2513								
.879		-.3322							
.900	-.3260			-.3923			+.1702		
.905			-.4718						
.919		-.3747							
.950				-.0974	-.0722	-.0230			
.953			-.1458						
.955		-.1973							
.965	-.2471								
1.000			.0274		.0930		.0786		

ALPHA0(3) = -2.004 BETA0 (2) = -2.060

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0139	.1137	.3795	.5215	.4572	.4208	.4062	-.2104	
.010	.0262	.1290	.2505	-.2813	-.4557	-.5141	-.4539		
.020	.0229	.1337	.1579	-.3010	-.3606	-.4150	-.5338	-.2336	
.040		.1482	.0179						
.050	.0214			-.1869	-.2687	-.3137	-.3895		
.069								-.2921	
.080				-.1234					
.081			-.0222						
.086		.1698							
.094	.0221								
.150				-.0101	-.0388	-.0850	-.1796		
.157								-.2925	
.163		.1117							
.177			.0136						
.229	.0872								
.246		.0364							
.250				.0492	-.0068	-.0735	-.1773		
.274			.0688						

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(RETL07)

DEPENDENT VARIABLE CP

1.000

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA0(3) = -1.969 BETA0 (3) = 2.058

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.865	-.2702								
.879		-.3157							
.900	-.2877			-.5085			-.1526		
.905			-.4008						
.919		-.3238							
.950				-.2424	-.2070	-.0635			
.953			-.2769						
.955		-.2597							
.965	-.2580								
1.000			-.1289		-.0303		.0391		

ALPHA0(3) = -1.958 BETA0 (4) = 6.150

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1510	.0404	.2526	.4042	.2892	.2361	.2154	-.3650	
.010	-.1208	.0471	.2024	-.2276	-.4951	-.6255	-.6157		
.020	-.0904	.0702	.1576	-.2472	-.4116	-.4920	-.6107	-.3578	
.040		.0843	.0603						
.050	-.0431			-.1576	-.2907	-.4268	-.5472		
.069								-.3812	
.080				-.1103					
.081			.0089						
.086		.1093							
.094	-.0160								
.150				-.0518	-.1083	-.1666	-.2765		
.157								-.3589	
.163		.0878							
.177			.0069						
.229	.0386								
.246		.0424							
.250				-.0276	-.0910	-.1527	-.2533		
.274			.0151						
.345								-.4069	
.362	.0000								
.390		.0505							
.400				-.0476	-.0981		-.2622		
.402			-.0009						
.418								-.4649	
.497	.0492								
.503								-.4883	
.550				-.1730	-.2471				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA(3) = -1.958 BETA(4) = 6.150

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.1419						
.600							-.4779		
.637		-.1320							
.650						-.4551			
.670								-.4979	
.700	-.1347				-.4319				
.725			-.3092						
.730									-.6826
.750						-.2896	-.4131		
.760			-.2398						
.775				-.1307	-.1824				
.798		-.2899							
.818			-.2464						
.834	-.2869								
.839		-.2683							
.850				-.3502	-.4292	-.5161			
.857			-.3438						
.862								-.1073	
.865	-.2781								
.879		-.3022							
.900	-.2800			-.3305			-.1474		
.905			-.3473						
.919		-.3049							
.950				-.2390	-.2367	-.0898			
.953			-.2844						
.956		-.2660							
.965	-.2695								
1.000			-.1715		-.0919		.0398		

ALPHA(4) = .059 BETA(1) = -6.145

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0279	.1425	.4600	.6387	.5921	.5689	.5154	-.1124	
.010	.0507	.1313	.4027	.0836	-.0120	.0442	.0474		
.020	.0500	.2002	.3252	-.0089	-.0027	-.0293	-.1017	-.1018	
.040		.2175	.1748						
.050	.0500			.0256	-.0163	-.0277	-.0874		
.069								-.1747	
.080				.0506					
.081			.1113						
.086		.2466							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA0(4) = .059 BETA0 (1) = -6.145

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		.0441		.0864		-.0591		

ALPHA0(4) = .063 BETA0 (2) = -4.101

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0083	.1206	.4267	.5967	.5552	.5303	.4779	-.1479	
.010	.0352	.1630	.3674	.0412	-.0545	-.0172	-.0050		
.020	.0416	.1811	.2989	-.0436	-.0483	-.0723	-.1475	-.1293	
.040		.1971	.1490						
.050	.0457			-.0033	-.0499	-.0642	-.1185		
.069								-.2100	
.080				.0239					
.081			.0762						
.086		.2258							
.094	.0510								
.150				.0788	.0507	.0089	-.0942		
.157								-.2331	
.163		.1838							
.177			.0968						
.229	.1221								
.246		.1083							
.250				.1298	.0615	-.0062	-.1155		
.274			.1396						
.345								-.3099	
.362	.0000								
.390		.1761							
.400				.1298	.0360		-.1603		
.402			.1825						
.418								-.6596	
.497	.1671								
.503								-.4028	
.550				-.0171	-.1452				
.565		.0590							
.600							-.3858		
.637		.0960							
.650						-.3710			
.670								-.3700	
.700	.2046				-.4710				
.725				-.5016					
.730								-.5208	
.750					-.2865	-.3353			

ARC11-019 TAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA(4) = .063 BETA(2) = -4.101

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.760				-.2225						
.775					.0926	-.1278				
.798			-.2200							
.808				-.0663						
.834	-.2720									
.839			-.1623							
.850					-.2877	-.2682	-.4200			
.857				-.3003						
.862									-.3654	
.865	-.2361									
.879			-.3236							
.900	-.3087				-.4601				-.4452	
.905				-.4647						
.919			-.3806							
.950					-.1164	-.1275	-.0946			
.953				-.1648						
.955			-.2108							
.965	-.2559									
1.000				.0123		.0723		-.0546		

ALPHA(4) = .066 BETA(3) = -.005

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.0464	.0662	.3648	.5143	.4646	.4355	.4009	-.2202		
.010	-.0170	.0986	.3124	-.0535	-.2011	-.1934	-.1640			
.020	.0051	.1324	.2507	-.1181	-.1679	-.1992	-.2919	-.1937		
.040		.1496	.1067							
.050	.0206			-.0724	-.1467	-.1598	-.2115			
.069								-.2721		
.080				-.0462						
.081			.0318							
.086		.1873								
.094	.0286									
.150				.0080	-.0089	-.0578	-.1575			
.157								-.2917		
.163		.1536								
.177			.0361							
.220	.0909									
.246		.0763								
.250				.0480	.0008	-.0551	-.1685			
.274			.0576							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA(4) = .066 BETA(3) = -.005

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345									-.3688
.362	.0000								
.390		.1070							
.400				.0541	-.0128				-.1967
.402			.0814						
.418									-.6536
.497	.0944								
.503									-.4564
.550				-.0755	-.1085				
.565			-.0380						
.600							-.4321		
.637		-.0131							
.650						-.4233			
.670								-.4363	
.700	.0351				-.5248				
.725				-.5368					
.730									-.5155
.750						-.3916	-.4422		
.760			-.3125						
.775				-.0055	-.2024				
.798		-.2694							
.808			-.1398						
.834	-.2795								
.839		-.2068							
.850				-.3157	-.3507	-.4829			
.857			-.3246						
.862									-.1775
.865	-.2811								
.879		-.3162							
.900	-.3134			-.4919				-.2214	
.905			-.4579						
.919		-.3523							
.950				-.1827	-.1530	-.0605			
.953			-.2505						
.955		-.2444							
.965	-.2572								
1.000			-.0919		.0154		.0276		

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA0(4) = .078 BETA0(4) = 4.088

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1282	.0154	.2755	.4517	.3870	.3565	.3218	-.2882	
.010	-.0915	.0228	.2531	-.0375	-.2241	-.2407	-.2218		
.020	-.0593	.0606	.2156	-.0973	-.1872	-.2403	-.3295	-.2539	
.040		.0823	.1114						
.050	-.0254			-.0609	-.1632	-.1947	-.2524		
.069								-.3216	
.080				-.0436					
.081			.0555						
.096		.1311							
.094	-.0052								
.150				.0050	-.0429	-.0880	-.2021		
.157								-.3390	
.163		.1197							
.177			.0387						
.229	.0615								
.246		.0748							
.250				.0242	-.0464	-.0922	-.2073		
.274			.0411						
.345								-.4159	
.362	.0000								
.390		.0791							
.400				.0012	-.0606		-.2360		
.402			.0274						
.418								-.7030	
.497	.0721								
.503								-.5064	
.550				-.1299	-.2270				
.565			-.1128						
.600							-.4694		
.637		-.0939							
.650						-.4589			
.670								-.4708	
.700	-.0749				-.4902				
.725				-.3292					
.730								-.5071	
.750						-.3205	-.4431		
.760			-.2546						
.775				-.0739	-.1520				
.798		-.2622							
.808			-.2515						
.834	-.2893								
.839		-.2672							
.850				-.3692	-.4240	-.4911			
.857			-.3359						
.862								-.2043	

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA0(4) = .078 BETA0(4) = 4.088

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2721								
.879		-.3011							
.900	-.2851			-.3622				-.1977	
.905			-.3373						
.919		-.3003							
.950				-.2422	-.1976	-.0794			
.953				-.2589					
.955		-.2537							
.965	-.2583								
1.000			-.1595		-.0552		.0443		

ALPHA0(4) = .082 BETA0(5) = 6.135

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1843	.0011	.2132	.4325	.3564	.3205	.2849	-.3085	
.010	-.1607	-.0017	.2098	-.0439	-.2262	-.2694	-.2676		
.020	-.1142	.0342	.1844	-.1016	-.1898	-.2547	-.3593	-.2834	
.040		.0527	.1111						
.050	-.0600			-.0583	-.1595	-.2057	-.2715		
.069								-.3422	
.080				-.0436					
.081			.0670						
.086		.1059							
.094	-.0219								
.150				-.0045	-.0476	-.0931	-.2166		
.157								-.3611	
.163		.1095							
.177			.0510						
.229	.0456								
.246		.0734							
.250				.0032	-.0561	-.1086	-.2243		
.274			.0487						
.345								-.4299	
.362	.0000								
.390		.0757							
.400				-.0354	-.0825		-.2478		
.402			.0218						
.418								-.6867	
.497	.0731								
.503								-.5165	
.550				-.1635	-.2347				

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA0(4) = .082 BETA0 (5) = 6.135

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.1210						
.600							-.4624		
.637		-.1166							
.650						-.4379			
.670								-.4512	
.700	-.1123				-.3872				
.725				-.2900					
.730									-.6612
.750						-.2158	-.3545		
.760			-.2357						
.775				-.1422	-.1864				
.798		-.2776							
.808			-.2439						
.834	-.2832								
.839		-.2563							
.850				-.3389	-.3879	-.5021			
.857			-.3316						
.862								-.1725	
.865	-.2618								
.879		-.2957							
.900	-.2759			-.3168			-.2007		
.905			-.3348						
.919		-.2969							
.950				-.2324	-.2235	-.1005			
.953			-.2840						
.955		-.2556							
.965	-.2657								
1.000			-.1822		-.0829		.0487		

ALPHA0(5) = 2.177 BETA0 (1) = -6.133

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0005	.1051	.4439	.6410	.6003	.5683	.4802	-.1936	
.010	.0460	.1674	.4597	.2608	.1898	.2719	.2628		
.020	.0539	.2099	.3980	.1417	.1589	.1503	.1163	-.1096	
.040		.2319	.2516						
.050	.0685			.1187	.0961	.0955	.0525		
.069								-.1710	
.080				.1237					
.081			.1690						
.086		.2756							

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA(5) = 2.177 BETA(1) = -6.133

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.094	.0708								
.150				.1544	.1256	.0963	-.0047		
.157								-.1945	
.163		.2386							
.177			.1686						
.229	.1491								
.246		.1661							
.250				.1767	.1089	.0499	-.0506		
.274			.1922						
.345								-.2613	
.362	.0000								
.390		.2171							
.400				.1563	.0689		-.1186		
.402			.2233						
.418								-.6949	
.497	.2048								
.503								-.3369	
.550				-.0023	-.1197				
.565			.0812						
.600							-.3253		
.637		.1120							
.650						-.3232			
.670								-.2543	
.700	.2343				-.4242				
.725				-.4517					
.730								-.5218	
.750						-.0132	-.1290		
.760			-.1492						
.775				.1775	.0183				
.798		-.1569							
.808			-.0236						
.834	-.2477								
.839		-.1376							
.850				-.2717	-.2592	-.4064			
.857			-.2915						
.862								-.4348	
.865	-.2485								
.879		-.3257							
.900	-.3326			-.4675			-.5007		
.905			-.4842						
.919		-.3810							
.950				-.1348	-.2476	-.5360			
.953			-.1372						
.955		-.1812							
.965	-.2358								

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ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA0(5) = 2.177 BETA0 (1) = -6.133

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

1.000 .0443 .0411 -.2929

ALPHA0(5) = 2.184 BETA0 (2) = -2.056

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.0603	.0503	.3944	.5712	.5281	.5012	.4181	.2729
.010	-.0061	.1029	.3891	.1643	.0936	.1544	.1666	
.020	.0132	.1555	.3378	.0592	.0716	.0652	.0231	-.1837
.040		.1794	.1926					
.050	.0340			.0569	.0300	.0263	-.0166	
.069								-.2356
.080				.0607				
.081			.1122					
.086		.2300						
.094	.0461							
.150				.0926	.0740	.0416	-.0598	
.157								-.2533
.163		.1978						
.177			.1126					
.229	.1186							
.246		.1269						
.250				.1252	.0655	.0069	-.1030	
.274			.1347					
.345								-.3267
.362	.0000							
.390		.1709						
.400				.1098	.0290		-.1603	
.402			.1646					
.418								-.7545
.497	.1537							
.503								-.4039
.550				-.0410	-.1544			
.565			.0322					
.600							-.3716	
.637		.0702						
.650						-.3679		
.670								-.2825
.700	.1628			-.4533				
.725			-.4447					
.730								-.5005
.750					-.1847	-.2548		

TABLE A - PRESSURE SOURCE DATA TABULATION

(RETL07)

ARC11-D19 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

ALPHA0(5) = 2.184 BETA0 (2) = -2.056

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8670	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760		-.1966				
.775			.1194	-.0729		
.798	-.1709					
.808		-.0684				
.834	-.2569					
.839	-.1571					
.850			-.2896	-.2940	-.4057	
.857		-.3014				
.862						-.4489
.865	-.2395					
.879	-.3068					
.900	-.2996		-.4785		-.4892	
.905		-.4712				
.919	-.3531					
.950			-.1685	-.2109	-.3714	
.953		-.1966				
.955		-.2122				
.965	-.2523					
1.000		-.0191		.0475		-.2018

ALPHA0(5) = 2.185 BETA0 (3) = 2.047

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1366	-.0190	.3130	.4960	.4499	.4264	.3599	-.3365
.010	-.0966	.0022	.3350	.1130	.0052	.0495	.0708	
.020	-.0435	.0772	.3018	.0216	-.0067	-.0248	-.0527	-.2517
.040		.1064	.1824					
.050	-.0009			.0136	-.0409	-.0501	-.0830	
.069								-.2897
.080				.0136				
.081			.0974					
.086		.1783						
.094	.0222							
.150				.0362	.0133	-.0075	-.1133	
.157								-.3134
.163		.1670						
.177			.0754					
.229	.0882							
.246		.1033						
.250				.0489	.0117	-.0359	-.1493	
.274			.0758					

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA(5) = 2.185 BETA(3) = 2.047

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345									
.362	.0000								
.390		.1045							
.400				.0266	-.0145				
.402			.0676						
.418									
.497	.1018								
.503									
.550				-.1135	-.1963				
.565			-.0889						
.600									
.637		-.0769							
.650									
.670									
.700	-.0322								
.725				-.4557	-.5060				
.730									
.750									
.760			-.2483						
.775				.0593	-.1129				
.798		-.2541							
.808			-.1922						
.834	-.2825								
.839		-.2446							
.850				-.3337	-.3495	-.4224			
.857			-.3287						
.862									
.865	-.2704								
.879		-.3091							
.900	-.2874			-.4933					
.905			-.3995						
.919		-.3152							
.950				-.2677	-.2798	-.1899			
.953			-.2727						
.955		-.2484							
.965	-.2530								
1.000			-.1419		-.0069		-.0896		

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(RETL07)

DEPENDENT VARIABLE CP

X/CW

[illegible]

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA0(5) = 2.186 BETA0 (4) = 6.135

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2593								
.879		-.2913							
.900	-.2677			-.3149				-.5166	
.905			-.3266						
.919		-.3013							
.950				-.2398	-.2317	-.1471			
.953			-.2774						
.955		-.2552							
.965	-.2546								
1.000			-.1029		-.0886			.0171	

ALPHA0(6) = 4.257 BETA0 (1) = -6.123

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0417	.0553	.4309	.6237	.5938	.5448	.4227	-.3408	
.010	.0280	.1367	.4876	.3758	.3485	.4269	.4011		
.020	.0567	.2138	.4539	.2525	.2943	.3048	.2643	-.1725	
.040		.2455	.3070						
.050	.0805			.1993	.2028	.2123	.1774		
.069								-.1710	
.080				.1821					
.081			.2151						
.086		.3061							
.094	.0926								
.150				.1955	.1855	.1581	.0636		
.157								-.1875	
.163		.2748							
.177			.2000						
.229	.1750								
.246		.2028							
.250				.2039	.1509	.0935	-.0089		
.274			.2143						
.345								-.2159	
.362	.0000								
.390		.2391							
.400				.1695	.0947		-.0892		
.402			.2298						
.418								-.5808	
.497	.2260								
.503								-.2678	
.550				.0045	-.1019				

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA0(6) = 4.257 BETA0 (1) = -6.123

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.565			.0806						
.600									
.637		.1235							
.650									
.670									
.700	.2385								
.725									
.730									
.750									
.760									
.775									
.798									
.808									
.834	-.2298								
.839									
.850									
.857									
.862									
.865	-.2282								
.879									
.900	-.3371								
.905									
.919									
.950									
.953									
.955									
.965	-.2433								
1.000									

ALPHA0(6) = 4.260 BETA0 (2) = -4.081

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.0645	.0402	.4047	.6026	.5596	.5154	.3927	-.3847
.010	.0005	.1109	.4544	.3272	.3029	.3893	.3654	
.020	.0295	.1874	.4184	.2066	.2596	.2651	.2373	-.2186
.040		.2217	.2787					
.050	.0601			.1601	.1736	.1789	.1421	
.069								
.080				.1509				-.2063
.081			.1970					
.086		.2819						

ORIGINAL PAGE IS
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(RETL07)

DEPENDENT VARIABLE CP

• 2222

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA(6) = 4.260 BETA(2) = -4.081

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		.0078		-.0281		-.4081		

ALPHA(6) = 4.257 BETA(3) = -.003

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000	-.1435	-.0366	.3299	.5457	.4914	.4502	.3371	-.4514
	.010	-.0850	.0149	.3979	.2505	.1897	.2681	.2676	
	.020	-.0340	.1123	.3714	.1380	.1536	.1657	.1373	-.2877
	.040		.1443	.2561					
	.060	.0197			.1000	.0813	.0909	.0616	
	.069								-.2724
	.080				.0873				
	.081			.1518					
	.086		.2248						
	.094	.0427							
	.150				.0973	.0905	.0695	-.0321	
	.157								-.2965
	.163		.2150						
	.177			.1265					
	.229	.1157							
	.246		.1276						
	.250				.1053	.0690	.0198	-.0932	
	.274			.1276					
	.345								-.3257
	.362	.0000							
	.390		.1422						
	.400				.0812	.0192		-.1592	
	.402			.1361					
	.418								-.6320
	.497	.1364							
	.503								-.3908
	.550			-.0720	-.1648				
	.565		-.0023						
	.600							-.3685	
	.637	-.0029							
	.650					-.3678			
	.670							-.2847	
	.700	.0624			-.4578				
	.725			-.4437					
	.730								-.5583
	.750				-.0690	-.1672			

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA(6) = 4.257 BETA(3) = -.003

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.2002						
.775				.1422	-.0315				
.798		-.2144							
.808			-.0627						
.834	-.2486								
.839		-.1913							
.850				-.3025	-.3061	-.4155			
.857			-.2985						
.862								-.5015	
.865	-.2641								
.879		-.3334							
.900	-.3196			-.4857				-.5139	
.905			-.4740						
.919		-.3886							
.950				-.3009	-.4209	-.5670			
.953			-.2378						
.955		-.2386							
.965	-.2643								
1.000			-.0454		-.0050		-.3532		

ALPHA(6) = 4.257 BETA(4) = 4.093

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2182	-.1104	.2415	.4695	.4238	.3859	.2678	-.5388	
.010	-.1660	-.1006	.3084	.2268	.1518	.2181	.2079		
.020	-.1000	.0142	.3030	.1257	.1179	.1181	.0892	-.3736	
.040		.0541	.1999						
.050	-.0357			.0846	.0518	.0522	.0181		
.069								-.3387	
.080				.0658					
.081			.1336						
.086		.1548							
.094	.0004								
.150				.0746	.0572	.0289	-.0726		
.157								-.3556	
.163		.1658							
.177			.1076						
.229	.0826								
.246		.1221							
.250				.0723	.0326	-.0145	-.1350		
.274			.0987						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELML UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA(6) = 4.257 BETA(4) = 4.093

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.345								-.3809	
.362	.0000								
.390		.1187							
.400				.0297	-.0133		-.1961		
.402			.0735						
.418								-.6779	
.497	.1183								
.503								-.4431	
.550				-.1179	-.1904				
.565			-.0862						
.600							-.4051		
.637		-.0768							
.650						-.4015			
.670								-.3076	
.700	-.0452				-.4301				
.725				-.3142					
.730								-.5585	
.750						-.1015	-.1857		
.760			-.2202						
.775				.0062	-.0616				
.798		-.2488							
.808			-.2132						
.834	-.2769								
.839		-.2537							
.850				-.3419	-.3507	-.4215			
.857			-.3151						
.862								-.5516	
.865	-.2446								
.879		-.2960							
.900	-.2621			-.3970			-.5335		
.905			-.3341						
.919		-.2937							
.950				-.2499	-.2541	-.4850			
.953			-.2516						
.955		-.2499							
.965	-.2481								
1.000			-.1485		-.0221		-.2357		

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA(6) = 4.251 BETA(5) = 6.145

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2611	-.0906	.1370	.4487	.3953	.3506	.2414	-.5704	
.010	-.2394	-.1043	.2026	.2154	.1342	.1834	.1752		
.020	-.1702	-.0106	.2162	.1171	.1022	.0938	.0568	-.4107	
.040		.0243	.1804						
.050	-.0704			.0794	.0410	.0291	-.0064		
.069				.0659				-.3692	
.080									
.081			.1360						
.086		.1164							
.094	-.0165								
.150				.0705	.0444	.0095	-.0931		
.157								-.3796	
.163		.1481							
.177			.1083						
.229	.0689								
.246		.1223							
.250				.0605	.0199	-.0353	-.1533		
.274			.0955						
.345								-.4130	
.362	.0000								
.390		.1220							
.400				.0131	-.0367		-.2115		
.402			.0647						
.418								-.7400	
.497	.1171								
.503								-.4630	
.550				-.1255	-.2033				
.565			-.0922						
.600							-.3969		
.637		-.0835							
.650						-.3792			
.670								-.3215	
.700	-.0783				-.3434				
.725				-.2546					
.730								-.5862	
.750						-.0693	-.1776		
.760			-.2076						
.775				-.0882	-.1196				
.798		-.2427							
.808			-.2107						
.834	-.2723								
.839		-.2277							
.850				-.3053	-.3229	-.4298			
.857			-.3090						
.862								-.5735	

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA(6) = 4.251 BETA(5) = 6.145

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2461								
.879		-.2708							
.900	-.2552			-.3049			-.5395		
.905			-.3230						
.919		-.2747							
.950				-.2215	-.2234	-.2053			
.953			-.2689						
.955		-.2485							
.965	-.2508								
1.000			-.1831		-.0791		-.0847		

ALPHA(7) = 6.353 BETA(1) = -4.069

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1211	-.0327	.3720	.5753	.5314	.4759	.3237	-.5286	
.010	-.0320	.0587	.4744	.4185	.4234	.4996	.4614		
.020	.0179	.1720	.4632	.2953	.3620	.3782	.3502	-.2849	
.040		.2150	.3303						
.050	.0618			.2266	.2540	.2688	.2371		
.069								-.2171	
.080				.2016					
.081			.2271						
.086		.2955							
.094	.0807								
.150				.2009	.2079	.1903	.0953		
.157								-.1960	
.163		.2728							
.177			.2025						
.229	.1620								
.246		.1934							
.250				.1970	.1587	.1171	.0124		
.274			.2048						
.345								-.2167	
.362	.0000								
.390		.2251							
.400				.1502	.0965		-.0757		
.402			.2190						
.418								-.6103	
.497	.2111								
.503								-.2834	
.550				-.0179	-.0976				

ARC11-019 TAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA0(7) = 6.353 BETA0 (1) = -4.069

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565			.0638						
.600							-.2685		
.637		.0859							
.650						-.2789			
.670								-.2665	
.700	.2036				-.3740				
.725				-.2743					
.730									-.5057
.750						-.0101	-.1229		
.760			-.1125						
.775				.2012	.0586				
.798		-.1334							
.808			-.0309						
.834	-.2354								
.839		-.1437							
.850				-.2874	-.2822	-.3996			
.857			-.3093						
.862								-.4988	
.865	-.2361								
.879		-.3396							
.900	-.3356			-.4795			-.4865		
.905			-.5115						
.919		-.4092							
.950				-.4880	-.4885	-.5277			
.953			-.1980						
.955		-.2129							
.965	-.2562								
1.000			.0053		-.1152		-.5041		

ALPHA0(7) = 6.352 BETA0 (2) = -2.035

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1543	-.0670	.3360	.5493	.4969	.4372	.2922	-.5886	
.010	-.0754	.0119	.4397	.3698	.3735	.4483	.4194		
.020	-.0136	.1354	.4254	.2477	.3102	.3352	.3072	-.3381	
.040		.1758	.3033						
.050	.0364			.1891	.2137	.2329	.2035		
.069								-.2619	
.080				.1680					
.081			.2008						
.086		.2684							

TABLE - PRESSURE SOURCE DATA TABULATION

ARC11-019 1AB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	.0636					
.150			.1672	.1771	.1584	.0652
.157						-.2334
.163	.2550					
.177		.1685				
.229	.1431					
.246	.1671					
.250			.1667	.1335	.0891	-.0176
.274		.1747				
.345						-.2508
.362	.0000					
.390	.1959					
.400			.1260	.0671		-.1034
.402		.1821				
.418						-.6192
.497	.1844					
.503						-.3008
.550			-.0412	-.1207		
.565		.0306				
.600						-.2877
.637	.0613					
.650					-.2955	
.670						-.2850
.700	.1715			-.3273		
.725			-.2423			
.730						-.5083
.750					-.0281	-.1400
.760		-.1295				
.775			.1861	.0251		
.798	-.1415					
.808		-.0537				
.834	-.2396					
.839	-.1577					
.850			-.3044	-.3046	-.4162	
.857		-.3249				
.862						-.5141
.865	-.2362					
.879	-.3308					
.900	-.3267		-.4889			-.5035
.905		-.5087				
.919	-.3831					
.950			-.3060	-.4785	-.5121	
.953		+.2251				
.955	-.2235					
.965	-.2595					

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA0(7) = 6.352 BETA0 (2) = -2.035

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000								

X/CW

1.000

-.0164

-.0861

-.4955

ALPHA0(7) = 6.347 BETA0 (3) = .010

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									

X/CW

.000

-.2087

-.1243

.2867

.5161

.4579

.3972

.2589

-.6245

.010

-.1316

-.0636

.3975

.3426

.3123

.3919

.3693

.020

-.0604

.0775

.3960

.2252

.2691

.2862

.2600

-.3692

.040

.1230

.2816

.050

.0077

.1547

.1707

.1900

.1637

.069

.1359

-.3027

.080

.081

.1761

.086

.2350

.094

.0452

.150

.1366

.1399

.1266

.0317

.157

-.2780

.163

.2393

.177

.1408

.229

.1262

.246

.1516

.250

.1278

.1025

.0586

-.0474

.274

.1404

.345

-.2911

.362

.0000

.390

.1601

.400

.0842

.0353

-.1357

.402

.1408

.418

-.6280

.497

.1519

-.3342

.503

.550

-.0198

-.0736

-.1471

.565

-.3281

.600

.637

-.0076

.650

-.3363

-.3069

.670

.700

.0698

-.3077

-.4161

.725

-.5281

.730

-.0460

-.1626

.750

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETLO7)

ALPHA0(7) = 6.347 BETA0 (3) = .010

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.1482						
.775				.1743	.0134				
.798		-.1830							
.808			-.0675						
.834	-.2315								
.839		-.1780							
.850				-.3099	-.3119	-.4240			
.857			-.3295						
.862								-.5254	
.865	-.2512								
.879		-.3296							
.900	-.3144			-.4979			-.5170		
.905			-.5007						
.919		-.3829							
.950				-.4301	-.4733	-.5363			
.953			-.2301						
.955		-.2367							
.965	-.2519								
1.000			-.0426	-.0588		-.4694			

ALPHA0(7) = 6.344 BETA0 (4) = 2.069

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2551	-.1800	.2397	.4836	.4302	.3646	.2175	-.6844	
.010	-.1874	-.1263	.3560	.3256	.2644	.3445	.3285		
.020	-.1049	.0218	.3633	.2117	.2170	.2423	.2257	-.4218	
.040		.0700	.2697						
.050	-.0249			.1435	.1299	.1508	.1301		
.069								-.3430	
.080				.1135					
.081			.1705						
.086		.1970							
.094	.0190								
.150				.1077	.1107	.0937	.0011		
.157								-.3103	
.163		.2091							
.177			.1243						
.229	.1042								
.246		.1416							
.250			.1008	.0718	.0316	-.0746			
.274			.1149						

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA0(7) = 6.344 BETA0 (4) = 2.069

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.345					- .3157
.362	.0000				
.390	.1339				
.400		.0546	.0097		- .1589
.402		.0959			
.418					
.497	.1353				- .6356
.503					
.550					- .3530
.555		- .1025	- .1704		
.600		- .0771			
.637	- .0647				- .3421
.650				- .3520	
.670					- .3322
.700	- .0056		- .4272		
.725		- .3150			
.730					- .5360
.750				- .0497	- .1866
.760		- .1998			
.775		.1477	.0105		
.798	- .2340				
.808		- .1423			
.834	- .2662				
.839	- .2278				
.850		- .3277	- .3282	- .4334	
.857		- .3314			
.862					- .5410
.865	- .2655				
.879	- .3059				
.900	- .2882		- .5043		- .5323
.905		- .4320			
.919	- .3286				
.950		- .3670	- .4749	- .5768	
.953		- .2701			
.955	- .2467				
.965	- .2483				
1.000		- .0930	- .0511		- .4476

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1AB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1AB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL07)

ALPHA(7) = 6.340 BETA(5) = 4.114

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2990	-.1980	.1891	.4489	.4047	.3296	.1726	-.7494	
.010	-.2305	-.1960	.3068	.3279	.2633	.3184	.2980		
.020	-.1457	-.0329	.3146	.2127	.2077	.2159	.1911	-.4790	
.040		.0167	.2273						
.050	-.0517			.1455	.1188	.1311	.1051		
.069								-.3846	
.080				.1067					
.081			.1557						
.086		.1472							
.094	-.0095								
.150				.1071	.0906	.0831	-.0207		
.157								-.3322	
.163		.1771							
.177			.1195						
.229	.0827								
.246		.1383							
.250				.0990	.0539	.0198	-.0877		
.274			.1191						
.345								-.3477	
.362	.0000								
.390		.1337							
.400				.0444	-.0035		-.1689		
.402			.0821						
.418								-.6541	
.497	.1264								
.503								-.3819	
.550				-.1088	-.1762				
.565			-.0807						
.600							-.3384		
.637		-.0646							
.650						-.3459			
.670								-.3588	
.700	-.0350				-.3835				
.725				-.2951					
.730								-.5426	
.750						-.0462	-.1997		
.760			-.2084						
.775				.0617	-.0162				
.798		-.2387							
.808			-.2030						
.834	-.2717								
.839		-.2460							
.850				-.3445	-.3554	-.4374			
.857			-.3152						
.862								-.5368	

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL07)

ALPHA(7) = 6.340 BETA(5) = 4.114

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW									
------	--	--	--	--	--	--	--	--	--

.865	-.2516								
.879		-.2991							
.900	-.2736			-.4295			-.5452		
.905			-.3580						
.919		-.3010							
.950				-.2695	-.3600	-.5902			
.953			-.2657						
.955		-.2433							
.965	-.2510								
1.000			-.1263		-.0682		-.4085		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAPIELHL UNSEALED LEFT WING BOT.

(RETLOB) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 3.000
 ELV-18 = 8.000 ELV-08 = 4.000
 RUDDER = .000 SPDBRK = .000

ALPHA(1) = .064 BETA(1) = -6.230

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0805	-.0170	.5429	.7379	.7111	.6999	.6712	.0976	
.010	-.1057	-.0177	.4907	.1827	.1196	.1935	.2618		
.020	-.1388	-.0560	.4189	.0825	.1335	.1427	.1247	.1359	
.040		.0980	.2664						
.050	-.0406			.1272	.1335	.1553	.1485		
.069								.0745	
.080				.1587					
.081			.1972						
.086		.2858							
.094	-.1848								
.150				.2564	.2689	.2494	.1735		
.157								.0553	
.163		.2866							
.177			.2370						
.229	-.1051								
.246		.2181							
.250				.3201	.2929	.2515	.1562		
.274			.3169						
.345								-.0109	
.362	.0000								
.390		.3442							
.400				.3622	.2951		.1373		
.402			.4018						
.418								-.3618	
.497	.3117								
.503								-.0902	
.550				.2620	.1572				
.565			.3362						
.600							-.0627		
.637		.3626							
.650						-.0399			
.670								-.1437	
.700	.4589				-.1361				
.725			-.1445						
.730								-.8428	
.750						-.0315	-.0922		
.760		-.2351							
.775			.0333	-.0182					

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL UNSEALED) LEFT WING BOT.

(RETL08)

ALPHA0 (1) = .071 BETA0 (2) = -4.159

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.3077							
.400				.3337	.2733		.1162		
.402			.3675						
.418									
.497	.2801								- .4134
.503									
.550				.2387	.1356				- .1213
.565			.3047						
.600									- .0885
.637		.3260							
.650						- .0677			
.670									- .1764
.700	.4094				- .1575				
.725				- .1693					
.730									- .8730
.750						- .0606	- .1192		
.760			- .2640						
.775				- .0064	- .0473				
.799		- .3721							
.808			- .2353						
.834	- .3028								
.839		- .1842							
.850				- .3463	- .3122	- .3372			
.857			- .3744						
.862									- .3956
.865	- .1915								
.879		- .3767							
.900	- .3996			- .5260					- .3742
.905			- .5412						
.919		- .5480							
.950				- .6386	- .4885	- .5110			
.953			- .5579						
.955		- .4092							
.965	- .3857								
1.000			- .1724		- .2988		- .3310		

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL08)

ALPHA0 (1) = .075 BETA0 (3) = -.029

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2481	-.0588	.4257	.6077	.5599	.5539	.5564	-.0072	
.010	-.1995	-.0177	.4023	.0812	-.0878	-.0379	.0843		
.020	-.1428	.0358	.3502	.0009	-.0402	-.0174	-.0242	.0337	
.040		.0818	.2186						
.050	-.1734			.0283	-.0209	.0237	.0449		
.069								-.0105	
.080				.0512					
.081			.1365						
.086		.2162							
.094	-.1846								
.150				.1265	.1571	.1742	.0922		
.157								-.0252	
.163		.2301							
.177			.1417						
.229	.0149								
.246		.1486							
.250				.1887	.1996	.1813	.0898		
.274			.1855						
.345								-.0887	
.362	.0000								
.390		.2098							
.400				.2470	.2266		.0766		
.402			.2458						
.418								-.4378	
.497	.1892								
.503								-.1628	
.550				.1717	.0940				
.565		.1853							
.600							-.1235		
.637		.1846							
.650						-.1090			
.670								-.2159	
.700	.2280				-.1979				
.725				-.2253					
.730								-.8519	
.750						-.1171	-.1629		
.760			-.3133						
.775				-.0914	-.1109				
.798		-.3355							
.808			-.2556						
.834	-.2770								
.839		-.2294							
.850				-.3939	-.3651	-.3876			
.857			-.4005						
.862								-.4422	

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETLOB)

ALPHA0(1) = .075 BETA0(3) = -.029

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2370								
.879		-.4103							
.900	-.3962			-.5541				-.4157	
.905			-.5776						
.919		-.5281							
.950				-.6453	-.5545	-.5545			
.953			-.5184						
.955		-.4121							
.965	-.3677								
1.000			-.1858		-.3671			-.3235	

ALPHA0(1) = .094 BETA0(4) = 4.123

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3649	-.0436	.3530	.5632	.4898	.4721	.4721	-.0918	
.010	-.3298	-.0221	.3640	.1193	-.0659	-.0764	.0208		
.020	-.2661	.0610	.3322	.0443	-.0343	-.0483	-.0722	-.0391	
.040		.0923	.2367						
.050	-.2803			.0655	-.0292	-.0169	.0038		
.069								-.0708	
.080				.0777					
.081			.1632						
.086		.1930							
.094	-.2260								
.150				.1183	.1071	.1125	.0508		
.157								-.0850	
.163		.2261							
.177			.1496						
.229	.0387								
.246		.1565							
.250				.1479	.1295	.1293	.0294		
.274			.1624						
.345								-.1461	
.362	.0000								
.390		.1891							
.400				.1547	.1523		.0207		
.402			.1714						
.418								-.4878	
.497	.1769								
.503								-.2197	
.550				.0590	.0105				

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL08)

ALPHA(1) = .094 BETA(4) = 4.123

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.0492						
.600								-.1777	
.637		.0394							
.650						-.1749			
.670								-.2623	
.700	.0525				-.2712				
.725			-.3117						
.730									-.8663
.750						-.1978	-.2198		
.760			-.2680						
.775				-.1226	-.1994				
.798		-.2620							
.808			-.1731						
.834	-.2680								
.839		-.2283							
.850				-.3362	-.4064	-.4402			
.857			-.3300						
.862									-.4860
.865	-.2605								
.879		-.3249							
.900	-.2901			-.4523				-.4682	
.905			-.4296						
.919		-.3664							
.950				-.5065	-.4964	-.5077			
.953			-.4086						
.955		-.3355							
.965	-.2991								
1.000			-.1587		-.2616		-.5090		

ALPHA(1) = .103 BETA(5) = 6.207

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.4492	.0026	.2950	.5224	.4569	.4307	.4320	-.0959	
.010	-.4141	-.0284	.3230	.1360	-.0645	-.0983	-.0092		
.020	-.3613	.0516	.3013	.0667	-.0358	-.0608	-.0940	-.0588	
.040		.0803	.2211						
.050	-.3513			.0857	-.0226	-.0278	-.0069		
.069								-.0884	
.080				.0895					
.081			.1607						
.086		.1557							

IA81A - PRESSURE SOURCE DATA TABULATION

(RETLO8)

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

ALPHA0(1) = .103 BETA0 (5) = 6.207

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	-.2216					
.150			.1231	.0978	.0877	.0393
.157						-.1026
.163		.1918				
.177			.1553			
.229	.0464					
.246		.1525				
.250			.1448	.1084	.1118	.0056
.274			.1627			
.345						-.1642
.362	.0000					
.390		.1849				
.400			.1261	.1185		-.0043
.402			.1607			
.418						-.4630
.497	.1720					
.503						-.2356
.550			.0070	-.0342		
.565		.0216				
.600						-.1991
.637		.0061				
.650					-.2080	
.670						+.2880
.700	-.0012			-.3012		
.725			-.3035			
.730						-.7934
.750					-.2324	-.2442
.760						
.775		-.1981				
.798			-.0200	-.1460		
.808		-.2451				
.834	-.2482	-.1552				
.839		-.2170				
.850			-.2871	-.3236	-.4554	
.857			-.3017			
.862						-.5084
.865	-.2452					
.879		-.2978				
.900	-.2762					
.905			-.4172			-.4876
.919		-.4058				
.950		-.3436				
.953			-.4925	+.4775	-.5424	
.955		-.3923				
.955		-.3208				
.965	-.2979					

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETLO8)

ALPHA(1) = .103 BETA(5) = 6.207

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000								

X/CW

1.000

-.1649

-.2538

-.4508

ALPHA(2) = 2.216 BETA(1) = -6.219

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									

X/CW

.000

-.0792

-.0716

.5337

.7397

.7206

.7035

.6373

-.0034

.010

-.0237

-.0501

.5490

.3693

.3494

.4356

.4585

.020

.0408

.0352

.4943

.2570

.3249

.3457

.3272

.0959

.040

.1684

.3541

.050

-.0289

.2524

.2742

.2985

.2809

.069

.0771

.080

.2568

.081

.2705

.086

.3148

.094

-.1489

.3175

.3257

.3140

.2331

.150

.0515

.157

.163

.3300

.177

.2980

.229

-.1147

.246

.2670

.250

.3548

.3298

.2860

.1909

.274

.3500

.345

-.0111

.362

.0000

.390

.3729

.400

.3731

.3084

.1439

.402

.4193

.418

-.5616

.497

.3437

-.0929

.503

.550

.3413

.2613

.1619

.565

-.0575

.600

.3658

.637

-.0417

-.1447

.650

.670

-.1381

.700

.4691

-.1454

.725

-.0119

-.0817

-.9659

.730

.750

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IASIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAS1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL08)

ALPHA(2) = 2.216 BETA(1) = -6.219

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.760			-.2361							
.775				.0504	-.0055					
.798		-.3677								
.808			-.2122							
.834	-.2947									
.839		-.1704								
.850				-.3212	-.2823	-.3070				
.857			-.3746							
.862									-.3650	
.865	-.1770									
.879		-.3665								
.900	-.3920			-.4997			-.3467			
.905			-.5190							
.919		-.5404								
.950				-.5552	-.4586	-.4909				
.953			-.4033							
.955		-.2862								
.965	-.2872									
1.000			-.1299	-.1988		-.5022				

ALPHA(2) = 2.214 BETA(2) = -2.090

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.000	-.1758	-.1316	.4528	.6723	.6423	.6284	.5715	-.0699		
.010	-.0935	-.0401	.4776	.2899	.2225	.3185	.3521			
.020	-.0701	.0252	.4381	.1836	.2118	.2377	.2399	.0254		
.040		.0733	.3100							
.050	-.1015			.1785	.1785	.2098	.2110			
.069								.0175		
.080				.1800						
.081			.2221							
.086		.2503								
.094	-.1028									
.150				.2398	.2550	.2503	.1777			
.157								-.0060		
.163		.2891								
.177			.2254							
.229	-.0211									
.246		.2067								
.250				.2821	.2716	.2381	.1396			
.274			.2736							

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(RETL08)

DEPENDENT VARIABLE CP

X7CW

.345						- .0649
.362	.0000					
.390		.2897				
.400			.3140	.2660	.1046	
.402			.3397			
.418						- .6221
.497	.2633					
.503						- .1392
.550			.2185	.1264		
.565		.2708				
.600					- .0991	
.637	.2803					
.650					- .0786	
.670						- .2601
.700	.3529			- .1702		
.725			- .1772			
.730						- .8779
.750					- .0733	- .1293
.760		- .2757				
.775			- .0238	- .0581		
.798	- .3688					
.808		- .2334				
.834	- .2925					
.839		- .1935				
.850			- .3585	- .3278	- .3533	
.857		- .3766				
.862						- .4157
.865	- .2089					
.879		- .3815				
.900	- .3922		- .5354		- .3820	
.905		- .5446				
.919		- .5336				
.950			- .5191	- .5039	- .5230	
.953		- .4450				
.955		- .3038				
.965	- .3452					
1.000		- .1540		- .2414	- .4031	

ARC11-019 1A81 LVAP(ELML UNSEALED) LEFT WING BOT.

(RETL08)

ALPHA(2) = 2.224 BETA(3) = 2.058

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2776								
.879		-.3597							
.900	-.3232			-.5224				-.4313	
.905			-.4499						
.919		-.3739							
.950				-.5071	-.5642	-.5806			
.953			-.3625						
.955		-.3198							
.965	-.3055								
1.000			-.1394		-.2406			-.3680	

ALPHA(2) = 2.234 BETA(4) = 6.197

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.4857	-.0614	.2408	.5324	.5018	.4780	.4379	-.1893	
.010	-.4462	-.0730	.2962	.2524	.1313	.1847	.2320		
.020	-.3757	.0083	.3069	.1649	.1280	.1303	.1371	-.1065	
.040		.0453	.2598						
.050	-.3231			.1565	.1008	.1080	.1242		
.069								-.1014	
.080				.1527					
.081			.2119						
.086		.1596							
.094	-.2001								
.150				.1722	.1554	.1516	.0881		
.157								-.1209	
.163		.2100							
.177			.1950						
.229	.0512								
.246		.1835							
.250				.1778	.1514	.1429	.0410		
.274			.1958						
.345								-.746	
.362	.0000								
.390		.2119							
.400				.1441	.1321		.0093		
.402			.1833						
.418								-.7310	
.497	.2002								
.503								-.2390	
.550				.0123	-.0244				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL08)

ALPHA0(2) = 2.234 BETA0 (4) = 6.197

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.565				.0399						
.600								-.1972		
.637		.0226								
.650							-.2035			
.670									-.3049	
.700	.0164					-.2926				
.725				-.2700						
.730										-.9247
.750							-.2171	-.2289		
.760				-.1965						
.775					.0120	-.0923				
.798		-.2223								
.808			-.1376							
.834	-.2500									
.839		-.1959								
.850				-.2794	-.3053	-.4367				
.857			-.3015							
.862									-.5089	
.865	-.2212									
.879		-.2991								
.900	-.2580			-.4004				-.4797		
.905			-.3850							
.919		-.3455								
.950				-.4688	-.4486	-.4958				
.953			-.3778							
.955		-.3059								
.965	-.2810									
1.000			-.1348		-.1883		-.4224			

ALPHA0(3) = 4.330 BETA0 (1) = -4.129

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.0838	-.1656	.4519	.6832	.6668	.6404	.5485	-.1614		
.010	-.0038	-.0315	.5401	.4708	.4633	.5416	.5437			
.020	.0169	.0697	.5204	.3616	.4189	.4390	.4291	-.0014		
.040		.1192	.3999							
.050	-.0431			.3140	.3401	.3653	.3528			
.069									.0318	
.080				.2970						
.081			.3051							
.086		.3011								

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL08)

ALPHA(3) = 4.330 BETA(1) = -4.129

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			-.1197		-.1865		-.6619		

ALPHA(3) = 4.329 BETA(2) = -.008

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2153	-.2412	.3588	.6116	.5973	.5795	.4971	-.2278	
.010	-.1575	-.1845	.4558	.4074	.3694	.4433	.4639		
.020	-.1306	-.0287	.4550	.2982	.3252	.3524	.3568	-.0668	
.040		.0290	.3545						
.050	-.1394			.2491	.2559	.2859	.2913		
.069								-.0295	
.080				.2287					
.081			.2641						
.086		.2374							
.094	-.0926								
.150				.2539	.2717	.2804	.2106		
.157								-.0377	
.163		.2979							
.177			.2392						
.229	.0369								
.246		.2213							
.250				.2646	.2656	.2504	.1540		
.274			.2553						
.345								-.0927	
.362	.0000								
.390		.2639							
.400				.2689	.2521		.1035		
.402			.2846						
.418								-.8091	
.497	.2414								
.503								-.1587	
.550				.1687	.1054				
.565			.1892						
.600							-.1059		
.637		.1840							
.650						-.0968			
.670								-.2174	
.700	.2414			-.2185	-.1955				
.725									
.730								-.7290	
.750						-.0772	-.1420		

ARC11-019 IAB1 LVAPIELML UNSEALED LEFT WING BOT.

(RETLO8)

ALPHA(3) = 4.329 BETA(2) = -.008

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.760				-.3196						
.775					-.0787	-.0932				
.798			-.3617							
.808				-.2355						
.834	-.2727									
.839			-.2006							
.850					-.3860	-.3539	-.3771			
.857				-.3765						
.862									-.4339	
.865	-.2187									
.879			-.3909							
.900	-.3609				-.5550			-.3966		
.905				-.5380						
.919			-.4447							
.950					-.3330	-.5416	-.5469			
.953				-.2988						
.955			-.2701							
.965	-.3025									
1.000				-.1130		-.2072		-.6029		

ALPHA(3) = 4.334 BETA(3) = 4.139

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3870	-.2202	.2716	.5382	.5347	.5140	.4367	-.3074		
.010	-.3344	-.1992	.3610	.3547	.3189	.3799	.4019			
.020	-.2722	-.0277	.3717	.2643	.2820	.2952	.2990	-.1424		
.040		.0293	.2939							
.050	-.2338			.2283	.2137	.2334	.2406			
.069								-.0993		
.080				.2085						
.081			.2286							
.086		.1946								
.094	-.1498									
.150				.2120	.2185	.2229	.1593			
.157								-.0981		
.163		.2522								
.177			.2163							
.229	.0587									
.246		.2006								
.250				.2095	.2025	.1926	.0973			
.274			.2186							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL08)

ALPHA(3) = 4.334 BETA(3) = 4.139

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CH										
.345										
.362	.0000									-.1488
.390		.2293								
.400				.1828	.1740		.0516			
.402			.2130							
.418										-.8399
.497	.2149									
.503										-.2065
.550				.0556	.0187					
.565			.0688							
.600							-.1574			
.637		.0604								
.650						-.1584				
.670								-.2737		
.700	.0812				-.2635					
.725				-.2957						
.730										-.7116
.750						-.1587	-.1960			
.760			-.2046							
.775				-.0235	-.1739					
.798		-.2191								
.808			-.1110							
.834	-.2385									
.839		-.1831								
.850				-.2324	-.3064	-.4243				
.857			-.2486							
.852								-.4783		
.865	-.2100									
.879		-.2703								
.900	-.2465			-.3688			-.4438			
.905			-.3648							
.919		-.3243								
.950				-.4599	-.3886	-.5730				
.953			-.3832							
.955		-.3002								
.965	-.2670									
1.000			-.1056		-.1670		-.5149			

(RETL08)

DEPENDENT VARIABLE CP

.000	-.5227	-.1049	.1851	.4802	.4987	.4830	.4096	-.3348
.010	-.4617	-.1023	.2705	.3128	.2805	.3530	.3743	
.020	-.3642	-.0162	.2984	.2351	.2523	.2744	.2790	-.1749
.040		.0261	.2700					
.050	-.2971			.2121	.1967	.2142	.2245	
.069								-.1276
.080				.2002				
.081			.2256					
.086		.1593						
.094	-.1601							
.150				.2091	.2038	.2068	.1437	
.157								-.1240
.163		.2238						
.177			.2161					
.229	.0634							
.246		.1985						
.250				.2053	.1817	.1756	.0799	
.274			.2169					
.345								-.1706
.362	.0000							
.390		.2243						
.400				.1628	.1421		.0331	
.402			.1992					
.418								
.497	.2154							
.503								-.2280
.550				.0265	-.0135			
.565			.0493					
.600							-.1784	
.637		.0317						
.650						-.1820		
.670								-.2966
.700	.0395				-.2738			
.725				-.2245				
.730								
.750						-.1873	-.2146	
.760			-.1500					
.775				.0426	-.0540			
.798		-.2073						
.808			-.1124					
.834	-.2180							
.839		-.1792						
.850				-.2602	-.2841	-.3896		
.857			-.2664					
.862								-.4985

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 755

ARC11-019 1A81 LVAPIELHL UNSEALED LEFT WING BOT.

(RETL08)

ALPHA0(3) = 4.334 BETA0 (4) = 6.220

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2055								
.879		-.2620							
.900	-.2372			-.3829				-.4571	
.905			-.3730						
.919		-.3119							
.950				-.4448	-.4286	-.4611			
.953			-.3446						
.955		-.2795							
.965	-.2626								
1.000			-.1104		-.1162		-.4234		

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 2.250
 ELV-1B = 8.000 ELV-OB = 4.000
 RUDDER = .000 SPDBRK = .000

ALPHA0(1) = -6.236 BETA0(1) = -4.085

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1207	-.0541	.3859	.5321	.4430	.3876	.4078	-.1236	
.010	-.1714	-.1482	.1438	-.5164	-.7300	-.5244	-.3179		
.020	-.2182	-.1565	.0676	-.6014	-.7351	-.4436	-.2873	-.1336	
.040		-.0659	-.0709						
.050	-.1047			-.4770	-.6470	-.4321	-.2530		
.069								-.1339	
.080				-.2801					
.081			-.0680						
.086		.1199							
.094	-.2697								
.150				-.0805	-.1491	-.4742	-.2129		
.157								-.1380	
.163		.0991							
.177			-.1196						
.229	-.1040								
.246		.0148							
.250				.0865	.1596	-.2120	-.3227		
.274			.0878						
.345								-.1885	
.362	.0000								
.390		.1447							
.400				.2385	.1948		-.2954		
.402			.2340						
.418								-.1484	
.497	.1205								
.503								-.1888	
.550				.1783	.0866				
.565			.2271						
.600							-.0321		
.637		.2502							
.650						-.0941			
.670							-.2417		
.700	.3111			-.2213	-.1830				
.725								-.3211	
.730						-.1002	-.0689		
.750									
.760			-.3124						
.775				-.0846	-.0978				

X/CW

.000	-.1207	-.0541	.3859	.5321	.4430	.3876	.4078	-.1236
.010	-.1714	-.1482	.1438	-.5164	-.7300	-.5244	-.3179	
.020	-.2182	-.1565	.0676	-.6014	-.7351	-.4436	-.2873	-.1336
.040		-.0659	-.0709					
.050	-.1047			-.4770	-.6470	-.4321	-.2530	
.069								-.1339
.080				-.2801				
.081			-.0680					
.086		.1199						
.094	-.2697							
.150				-.0805	-.1491	-.4742	-.2129	
.157								-.1380
.163		.0991						
.177			-.1196					
.229	-.1040							
.246		.0148						
.250				.0865	.1596	-.2120	-.3227	
.274			.0878					
.345								-.1885
.362	.0000							
.390		.1447						
.400				.2385	.1948		-.2954	
.402			.2340					
.418								-.1484
.497	.1205							
.503								-.1888
.550				.1783	.0866			
.565			.2271					
.600							-.0321	
.637		.2502						
.650						-.0941		
.670							-.2417	
.700	.3111			-.2213	-.1830			
.725								-.3211
.730						-.1002	-.0689	
.750								
.760			-.3124					
.775				-.0846	-.0978			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09)

ALPHA0(1) = -6.235 BETA0(1) = -4.085

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.798		-.3355						
.808			-.2462					
.834	-.2780							
.839		-.1995						
.850				-.3793	-.3430	-.3461		
.857			-.4019					
.862								-.2978
.865	-.2358							
.879		-.4099						
.900	-.4015			-.5441			-.3581	
.905			-.5841					
.919		-.5563						
.950				-.6515	-.5369	-.5134		
.953			-.4616					
.955		-.5069						
.965	-.4455							
1.000			-.2064		-.3177		-.3126	

ALPHA0(1) = -6.225 BETA0(2) = -2.030

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.000	-.1728	-.0618	.3577	.5083	.3957	.3400	.3477	-.1175
.010	-.2089	-.1090	.1431	-.5237	-.7456	-.6316	-.4169	
.020	-.2595	-.0474	.0681	-.5738	-.7845	-.6488	-.3814	-.1250
.040		-.0010	-.0598					
.050	-.1284			-.4507	-.7053	-.6191	-.3763	
.069								-.1264
.080				-.2763				
.081			-.0704					
.086		.1183						
.094	-.2755							
.150				-.1168	-.2025	-.5223	-.3868	
.157								-.1450
.163		.1053						
.177			-.1049					
.229	-.0528							
.246		.0097						
.250				.0056	.0196	-.2765	-.4099	
.274			.0554					
.345								-.1710
.362	.0000							

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09)

ALPHA(1) = -6.225 BETA(2) = -2.030

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.390			.1150							
.400					.1814	.1789		-.3256		
.402				.1734						
.418										-.1308
.497	.0896									
.503									-.1842	
.550					.1547	.0714				
.565				.1792						
.600								.0094		
.637			.1960							
.650							-.0993			
.670								-.2775		
.700	.2314					-.1927				
.725					-.2364					
.730										-.2304
.750							-.1135	-.0692		
.760				-.3026						
.775					-.1042	-.1137				
.798			-.3127							
.808				-.2310						
.834	-.2762									
.839			-.2239							
.850					-.3841	-.3623	-.3569			
.857				-.3987						
.862									-.3158	
.865	-.2635									
.879			-.4180							
.900	-.3970				-.5471			-.3690		
.905				-.5735						
.919			-.5423							
.950					-.6264	-.5586	-.5179			
.953				-.6005						
.955			-.5139							
.985	-.4221									
1.000			-.2163			-.3698		-.3541		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA(1) = -6.193 BETA(3) = .032

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2268	-.0633	.3335	.4612	.3522	.2933	.2958	-.1257	
.010	-.2592	-.0371	.1496	-.5325	-.7718	-.6587	-.5026		
.020	-.3011	.0048	.0831	-.5288	-.7301	-.6459	-.4566	-.1292	
.040		.0326	-.0359						
.050	-.1594			-.3842	-.7223	-.6483	-.4150		
.069								-.1366	
.080				-.2320					
.081			-.0574						
.086		.1165							
.094	-.2735								
.150				-.1177	-.2375	-.5824	-.4400		
.157								-.1495	
.163		.1096							
.177			-.0448						
.229	-.0217								
.245		.0233							
.250				-.0295	-.0564	-.2490	-.4632		
.274			.0275						
.345								-.1761	
.362	.0000								
.390		.0813							
.400				.1185	.1643		-.2918		
.402			.0814						
.418									-.1294
.497	.0718								
.503								-.2098	
.550				.1208	.0553				
.565		.1131							
.600							-.0101		
.637		.1090							
.650						-.1154			
.670								-.3326	
.700	.1237				-.2077				
.725				-.2535					
.730								-.2435	
.750						-.1353	-.0773		
.760			-.3107						
.775				-.1275	-.1334				
.798		-.3045							
.808			-.2388						
.834	-.2665								
.839		-.2289							
.850				-.3967	-.3782	-.3687			
.857			-.4198						
.862								-.3869	

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA(1) = -6.193 BETA(3) = .032

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2981								
.879		-.4242							
.900	-.3903			-.5588			-.3859		
.905			-.5910						
.919		-.5230							
.950				-.6597	-.5703	-.5310			
.953			-.6373						
.955		-.4903							
.965	-.4049								
1.000			-.2371		-.4275		-.4362		

ALPHA(1) = -6.179 BETA(4) = 2.098

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2818	-.0268	.3176	.4428	.3177	.2449	.2409	-.1683	
.010	-.3042	-.0006	.1677	-.5238	-.7620	-.6839	-.5527		
.020	-.3268	.0339	.1089	-.4584	-.6880	-.6453	-.5218	-.1686	
.040		.0581	.0074						
.050	-.1809			-.2542	-.6717	-.6433	-.5117		
.069								-.1696	
.080				-.1858					
.081			-.0141						
.086		.1191							
.094	-.2577								
.150				-.0855	-.1680	-.5926	-.4859		
.157								-.1764	
.163		.1171							
.177			-.0069						
.229	-.0107								
.246		.0503							
.250				-.0243	-.0924	-.1717	-.4698		
.274			.0320						
.345								-.2377	
.362	.0000								
.390		.0747							
.400				.0282	.1285		-.2444		
.402			.0553						
.418								-.1494	
.497	.0810								
.503								-.3135	
.550				.0641	.0240				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA(1) = -6.179 BETA(4) = 2.098

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.565				.0262					
.600								-.0302	
.637			.0182						
.650							-.1402		
.670								-.3549	
.700	.0305				-.2373				
.725				-.3080					
.730									-.2567
.750						-.1605	-.0976		
.760				-.3432					
.775				-.1810	-.1652				
.798		-.3077							
.808				-.2485					
.834	-.2942								
.839		-.2614							
.850				-.4218	-.4098	-.3952			
.857				-.4225					
.862									-.4066
.865	-.3118								
.879		-.3930							
.900	-.3461			-.5605				-.4069	
.905				-.5510					
.919		-.4617							
.950				-.6551	-.5922	-.5560			
.953				-.5639					
.955		-.4377							
.965	-.3703								
1.000			-.2277		-.4362		-.5074		

ALPHA(1) = -6.167 BETA(5) = 4.163

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.000	-.3491	-.0048	.3056	.4135	.2778	.1959	.1948	-.2046	
.010	-.3465	.0290	.1712	-.4983	-.7263	-.6865	-.5316		
.020	-.3291	.0562	.1169	-.4203	-.6784	-.6216	-.5137	-.2063	
.040		.0769	.0314						
.050	-.2617			-.2165	-.6468	-.6124	-.5056		
.069									-.1961
.080				-.1533					
.091			.0089						
.096		.1255							

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0 (1) = -6.167 BETA0 (5) = 4.163

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	-.2517					
.150			-.0691	-.1285	-.5800	-.5025
.157						-.2113
.163		.1182				
.177		.0041				
.229	-.0094					
.246		.0547				
.250			-.0103	-.0864	-.0878	-.4987
.274		.0376				
.345						-.2777
.362	.0000					
.390		.0832				
.400			.0103	.0768		-.1335
.402		.0506				
.418						-.1630
.497	.0813					
.503						-.3498
.550			.0008	-.0078		
.565		-.0294				
.600					-.0878	
.637	-.0360					
.650					-.1691	
.670						-.3650
.700	-.0335			-.2710		
.725			-.3331			
.730						-.2581
.750					-.1968	-.1352
.760		-.2836				
.775			-.1681	-.1939		
.798	-.2740					
.808		-.2450				
.834	-.2987					
.839		-.2848				
.850			-.3865	-.4182	-.4280	
.857		-.3923				
.862						-.4010
.865	-.3120					
.879		-.3698				
.901	-.3284		-.5070			-.4263
.905		-.4873				
.919		-.4104				
.950			-.5823	-.5634	-.5773	
.953		-.4972				
.955		-.3813				
.965	-.3401					

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09)

ALPHA0(1) = -6.167 BETA0(5) = 4.163

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000								

X/CW

1.000

-.2382

-.3925

-.5170

ALPHA0(2) = -4.143 BETA0(1) = -6.157

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000									

X/CW

.000	-.0941	.0272	.4741	.6358	.5618	.5398	.5643	-.0585
.010	-.1523	-.0515	.2827	-.3319	-.5307	-.4528	-.3611	
.020	-.2049	-.0879	.1901	-.3599	-.5419	-.3807	-.3763	-.0838
.040		-.0257	.0426					
.050	-.0396			-.2335	-.4644	-.3645	-.3773	
.069								-.0804
.080				-.1412				
.081			.0069					
.086		.1962						
.094	-.2468							
.150				.0619	.0895	.0052	-.0957	
.157								-.0338
.163		.1660						
.177			.0692					
.229	-.0998							
.246		.0674						
.250				.1941	.1745	.1251	.0458	
.274			.1911					
.345								-.0632
.362	.0000							
.390		.2372						
.400				.2917	.2368		.0775	
.402			.3178					
.418								-.1127
.497	.2056							
.503								-.1324
.550				.2214	.1245			
.565			.2841					
.600							-.0939	
.637		.3165						
.650						-.0691		-.1756
.670								
.700	.3998			-.1532				
.725			-.1760					
.730								-.4805
.750						-.0589	-.1111	

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(2) = -4.143 BETA0 (1) = -6.157

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760				-.2659					
.775				-.0246	-.0598				
.798		-.3558							
.808			-.2417						
.834	-.2850								
.839		-.1769							
.850				-.3506	-.3066	-.3304			
.857			-.3830						
.862								-.3745	
.865	-.1959								
.879		-.3851							
.900	-.3958			-.5300				-.3740	
.905			-.5530						
.919		-.5532							
.950				-.6451	-.4903	-.5005			
.953			-.4716						
.955		-.4941							
.965	-.4525								
1.000			-.1903		-.3474			-.1793	

ALPHA0(2) = -4.132 BETA0 (2) = -4.105

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1142	-.0347	.4411	.5999	.5177	.4767	.5161	-.1048	
.010	-.1649	-.0875	.2578	-.3598	-.5635	-.4726	-.3717		
.020	-.2140	-.0872	.1756	-.3766	-.5813	-.3713	-.3306	-.0974	
.040		.0061	.0324						
.050	-.1171			-.2510	-.5109	-.3541	-.3296		
.069								-.0776	
.080				-.1574					
.081			-.0022						
.086		.1648							
.094	-.2697								
.150				.0242	.0777	-.1216	-.1594		
.157								-.0580	
.163		.1501							
.177			.0331						
.229	-.1058								
.246		.0583							
.250				.1602	.1602	.1345	-.0173		
.274			.1546						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 (AS) LYAP (ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0 (2) = -4.132 BETA0 (2) = -4.105

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345									
.362	.0000								-.0958
.390		.2073							
.400				.2693	.2215		.0521		
.402			.2856						
.418									-.1354
.497	.1752								
.503									-.1533
.550				.2050	.1101				
.565			.2564						
.600							-.1052		
.637		.2796							
.650						-.0792			
.670								-.1927	
.700	.3415				-.1653				
.725				-.1914					
.730									-.4866
.750						-.0802	-.1298		
.760			-.2809						
.775				-.0482	-.0751				
.798		-.3323							
.808			-.2344						
.834	-.2737								
.839		-.1819							
.850				-.3570	-.3249	-.3465			
.857			-.3763						
.862								-.3842	
.865	-.2077								
.879		-.3888							
.900	-.3865			-.5288			-.3813		
.905			-.5507						
.919		-.5402							
.950				-.6440	-.5177	-.5170			
.953			-.5436						
.955		-.5223							
.965	-.4249								
.000			-.2032		-.3629		-.2153		

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 IAB1 LVAPIELHL UNSEALED LEFT WING BOT.

(RETL09)

ALPHA0(2) = -4.101 BETA0 (3) = .017

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2339	-.0387	.3821	.5140	.4106	.3675	.4203	-.1152	
.010	-.2576	.0001	.2491	-.3761	-.6293	-.5839	-.3030		
.020	-.2883	.0279	.1794	-.3308	-.5949	-.5964	-.2601	-.1041	
.040		.0516	.0475						
.050	-.1685			-.2196	-.5682	-.5172	-.2659		
.069								-.0960	
.080				-.1407					
.081			-.0014						
.086		.1498							
.094	-.2803								
.150				-.0443	-.1117	-.2146	-.1896		
.157								-.1072	
.163		.1419							
.177			.0129						
.229	-.0096								
.246		.0600							
.250				.0182	.1244	.1518	-.2083		
.274			.0720						
.345								-.1520	
.362	.0000								
.390		.1185							
.400				.1881	.1862		.0169		
.402			.1403						
.418								-.1578	
.497	.1029								
.503								-.1911	
.550				.1438	.0676				
.565			.1397						
.600							-.0923		
.637		.1330							
.650					-.1137				
.670							-.1965		
.700	.1508			-.2031					
.725			-.2377						
.730								-.2585	
.750					-.1316	-.1291			
.760			-.2996						
.775			-.1041	-.1222					
.798		-.2914							
.808			-.2370						
.834	-.2623								
.839		-.2214							
.850			-.3871	-.3736	-.3846				
.857			-.4101						
.862							-.3322		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA(2) = -4.101 BETA(3) = .017

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2777								
.879		-.4107							
.900	-.3872			-.5513			-.4032		
.905			-.5800						
.919		-.5247							
.950				-.6631	-.5600	-.5465			
.953			-.5756						
.955		-.4524							
.965	-.3854								
1.000			-.2214		-.4147		-.3927		

ALPHA(2) = -4.075 BETA(4) = 4.131

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3559	.0024	.3178	.4612	.3403	.2905	.3025	-.1609	
.010	-.3271	.0310	.2498	-.2656	-.5852	-.6032	-.4894		
.020	-.2941	.0737	.1988	-.2263	-.5149	-.5325	-.4182	-.1555	
.040		.0806	.1020						
.050	-.2794			-.1521	-.4497	-.5084	-.4104		
.069								-.1555	
.080				-.0928					
.091			.0473						
.086		.1427							
.094	-.2417								
.150				-.0231	-.0717	-.1560	-.3095		
.157								-.1430	
.163		.1378							
.177			.0477						
.229	.0027								
.246		.0821							
.250				.0274	-.0286	.0894	-.1163		
.274			.0654						
.345								-.1870	
.362	.0000								
.390		.1118							
.400				.0549	.1213		.0343		
.402			.0798						
.418								-.1322	
.497	.1038								
.503								-.2493	
.550				.0169	-.0079				

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09)

ALPHA0(2) = -4.075 BETA0 (4) = 4.131

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.565				-.0026						
.600							-.1511			
.637		-.0106								
.650						-.1773				
.670								-.2239		
.700	-.0110				-.2753					
.725				-.3348						
.730									-.2615	
.750						-.2068	-.1951			
.760				-.2715						
.775				-.1403	-.2018					
.798		-.2622								
.808				-.2143						
.834	-.2834									
.839		-.2622								
.850				-.3648	-.4137	-.4416				
.857				-.3700						
.862								-.3637		
.865	-.2901									
.879		-.3474								
.900	-.3098			-.4925			-.4388			
.905				-.4685						
.919		-.3907								
.950				-.5632	-.5467	-.5995				
.953				-.4428						
.955		-.3555								
.965	-.3178									
1.000			-.2058		-.3487		-.4703			

ALPHA0(2) = -4.067 BETA0 (5) = 6.191

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.000	-.4239	.0151	.2772	.4402	.3092	.2534	.2612	-.1718		
.010	-.3725	.0333	.2251	-.2077	-.5141	-.5796	-.5232			
.020	-.3184	.0598	.1859	-.1813	-.4707	-.4918	-.4643	-.1737		
.040		.0773	.1080							
.050	-.3251			-.1127	-.3383	-.4654	-.4393			
.069								-.1747		
.080				-.0617						
.081			.0603							
.036		.1333								

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TABLE A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(2) = -4.067 BETA0 (5) = 6.191

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	-.2153					
.150			.0048	-.0443	-.1095	-.3455
.157						-.1713
.163	.1251					
.177		.0603				
.229	-.0037					
.246	.0813					
.250			.0447	-.0081	.0009	-.0795
.274		.0794				
.345						-.2149
.362	.0000					
.390	.1208					
.400			.0461	.0606		-.0062
.402		.0821				
.418						-.1566
.497	.1110					
.503						-.2213
.550			-.0401	-.0577		
.565		-.0449				
.600						-.1795
.637	-.0430					
.650					-.2121	
.670						-.2273
.700	-.0696			-.3136		
.725		-.3357				
.730						-.2625
.750					-.2361	-.2214
.760		-.2471				
.775			-.1002	-.1933		
.798	-.2672					
.808		-.2232				
.834	-.2762					
.839	-.2601					
.850			-.3273	-.3643	-.4511	
.857		-.3498				
.862						-.3860
.865	-.2921					
.879	-.3263					
.900	-.3068		-.4364			-.4522
.905		-.4224				
.919	-.3574					
.950			-.4978	-.4857	-.5783	
.963		-.4112				
.955	-.3388					
.965	-.3218					

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09)

ALPHA(2) = -4.067 BETA(5) = 6.191

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			-.2287		-.3403		-.4363		

ALPHA(3) = -2.045 BETA(1) = -6.165

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0964	.0001	.5134	.6890	.6435	.6337	.6331	.0623	
.010	-.1356	-.0275	.3933	-.0643	-.2105	-.1937	-.0857		
.020	-.1862	-.0712	.3026	-.1082	-.1448	-.1462	-.2179	.0622	
.040		.0340	.1444						
.050	-.0565			-.0394	-.0707	-.0667	-.0834		
.069								.0146	
.080				.0177					
.081			.0947						
.086		.2363							
.094	-.2311								
.150				.1689	.1804	.1619	.0834		
.157								.0106	
.163		.2177							
.177			.1502						
.229	-.1097								
.246		.1417							
.250				.2553	.2295	.1839	.0975		
.274			.2501						
.345								-.0363	
.362	.0000								
.390		.2894							
.400				.3248	.2648		.1015		
.402			.3524						
.418									-.2057
.497	.2568								
.503									-.1140
.550				.2381	.1367				
.565			.3026						
.600							-.0883		
.637		.3353							
.650						-.0678			
.670								-.1646	
.700	.4221			-.1489					
.725			-.1632						
.730									-.6892
.750					-.0596	-.1059			

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(3) = -2.045 BETA0 (1) = -6.165

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760				-.2581					
.775					-.0063	-.0457			
.798		-.3531							
.808				-.2380					
.834	-.2956								
.839		-.1784							
.850					-.3423	-.3013	-.3296		
.857				-.3879					
.862								-.3776	
.865	-.1829								
.879		-.3794							
.900	-.3904			-.5231				-.3726	
.905				-.5450					
.919		-.5484							
.950					-.6264	-.4753	-.5028		
.953				-.5191					
.955		-.4547							
.965	-.4173								
1.000			-.1845		-.3272		-.2504		

ALPHA0(3) = -2.034 BETA0 (2) = -2.072

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1721	-.0529	.4491	.6098	.5394	.5171	.5398	-.0071	
.010	-.1909	-.0183	.3528	-.1312	-.3787	-.3498	-.1919		
.020	-.2168	.0246	.2751	-.1443	-.3046	-.2531	-.2901	-.0012	
.040		.0411	.1294						
.050	-.1141			-.1022	-.2178	-.2022	-.1646		
.069								-.0356	
.080				-.0597					
.091			.0639						
.086		.1831							
.094	-.2245								
.150				.0729	.1143	.1092	.0444		
.157								-.0366	
.163		.1803							
.177			.0894						
.229	-.0358								
.246		.1037							
.250				.1781	.1802	.1514	.0725		
.274			.1725						

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(3) = -2.034 BETA0 (2) = -2.072

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

YABW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.345								-.0751	
.362	.0000								
.390		.2140							
.400				.2648	.2282		.0722		
.402			.2778						
.418									-.2354
.497	.1906								
.503								-.1464	
.550				.1940	.1064				
.585			.2388						
.600							-.1144		
.637		.2493							
.650						-.0947			
.670								-.1916	
.700	.3000				-.1765				
.725			-.2013						
.730									-.7009
.750						-.0968	-.1447		
.760			-.2928						
.775				-.0857	-.0873				
.798		-.3144							
.808			-.2333						
.834	-.2825								
.839		-.2020							
.850				-.3669	-.3391	-.3608			
.857			-.3852						
.862								-.4086	
.865	-.2125								
.879		-.3917							
.900	-.3895			-.5408			-.3987		
.905			-.5565						
.919		-.5296							
.950				-.6502	-.5263	-.5287			
.953			-.5674						
.956		-.4244							
.965	-.4037								
1.000			-.1955		-.3893		-.2381		

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(3) = -1.993 BETA0(3) = 2.059

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CH

.000	-.2985	-.0326	.3781	.5344	.4465	.4224	.4550	-.0625
.010	-.2823	.0049	.3252	-.0825	-.3547	-.4363	-.2732	
.020	-.2412	.0616	.2707	-.1031	-.2823	-.3326	-.3128	-.0544
.040		.0909	.1515					
.050	-.2185			-.0669	-.2349	-.2753	-.2448	
.069								-.0730
.080				-.0378				
.081			.0925					
.086		.1731						
.094	-.2355							
.150				.0339	.0345	.0572	-.0013	
.157								-.0622
.163		.1827						
.177			.0908					
.229	.0124							
.246		.1165						
.250			.0908	.1066	.1063	.0219		
.274			.1109					
.345								-.1115
.362	.0000							
.390		.1435						
.400			.1503	.1635		.0351		
.402			.1405					
.418								-.2442
.497	.1382							
.503								-.1858
.550			.0850	.0366				
.565			.0734					
.600						-.1520		
.637		.0578						
.650					-.1470			
.670							-.2368	
.700	.0843			-.2375				
.725			-.2888					
.730								-.6551
.750					-.1694	-.1926		
.760			-.3174					
.775			-.1647	-.1852				
.798	-.2996							
.808		-.2387						
.834	-.2764							
.839		-.2416						
.850			-.4068	-.4066	-.4176			
.857			-.4073					
.862								-.4443

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09)

ALPHA0(3) = -1.993 BETA0(3) = 2.059

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.865	- .2808									
.879		- .3773								
.900	- .3280			- .5571				- .4432		
.905			- .5313							
.919		- .4259								
.950				- .6552	- .5921	- .5877				
.953			- .4724							
.955		- .3708								
.965	- .3284									
1.000			- .1845		- .3576		- .4466			

ALPHA0(3) = -1.978 BETA0(4) = 6.163

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	- .4091	.0078	.3018	.4819	.3796	.3423	.3770	- .1165		
.010	- .3819	.0047	.2998	- .0206	- .2900	- .4048	- .2955			
.020	- .3510	.0494	.2676	- .0520	- .2307	- .2915	- .3097	- .1023		
.040		.0753	.1691							
.050	- .3456			- .0118	- .1687	- .2563	- .2515			
.069				.0102				- .1236		
.080										
.081			.1081							
.086		.1397								
.094	- .1952									
.150				.0592	.0214	.0223	- .0247			
.157								- .1029		
.163		.1510								
.177			.1101							
.229	.0210									
.246		.1191								
.250				.0887	.0540	.0731	- .0282			
.274			.1214							
.345								- .1553		
.362	.0000									
.390		.1519								
.400				.0839	.0927		- .0147			
.402			.1176							
.418								- .2473		
.497	.1361									
.503								- .2249		
.550				- .0186	- .0493					

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA(3) = -1.978 BETA(4) = 6.163

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.0108						
.600							-.1996		
.637		-.0173							
.650						-.2086			
.670								-.2533	
.700	-.0411				-.3064				
.725				-.3206					
.730									-.3541
.750						-.2360	-.2459		
.760			-.2262						
.775				-.0693	-.1768				
.798		-.2550							
.808			-.1918						
.834	-.2649								
.839		-.2385							
.850				-.3090	-.3425	-.4571			
.857			-.3335						
.862								-.4325	
.865	-.2706								
.879		-.3172							
.900	-.2936			-.4310			-.4831		
.905			-.4197						
.919		-.3577							
.950				-.5005	-.4900	-.5738			
.953			-.4041						
.956		-.3303							
.965	-.3180								
1.000			-.1986		-.3064		-.4260		

ALPHA(4) = .052 BETA(1) = -6.173

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0970	-.0319	.5335	.7240	.7011	.6914	.6607	.0819	
.010	-.1227	-.0350	.4745	.1640	.0990	.1721	.2258		
.020	-.1321	-.0463	.3991	.0662	.1091	.1180	.0943	.1177	
.040		.0851	.2406						
.050	-.0604			.1068	.1125	.1322	.1243		
.069								.0555	
.080				.1386					
.081			.1789						
.086		.2689							

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(4) = .052 BETA0 (1) = -6.173

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	- .2061					
.150			.2337	.2541	.2261	.1524
.157						.0390
.163	.2679					
.177		.2181				
.229	- .1184					
.246	.2061					
.250			.3013	.2761	.2386	.1400
.274		.2958				
.345						-.0252
.362	.0000					
.390	.3293					
.400			.3436	.2839		.1211
.402		.3810				
.418						-.3638
.497	.2947					
.503						-.1046
.550			.2452	.1454		
.565		.3169				
.600					-.0789	
.637	.3479					
.650					-.0569	
.670						-.1667
.700	.4391			-.1489		
.725			-.1594			
.730						-.8458
.750					-.0593	-.1022
.760		-.2534				
.775			.0077	-.0347		
.798	-.3605					
.808		-.2337				
.834	-.2998					
.839	-.1789					
.850			-.3339	-.2996	-.3230	
.857		-.3871				
.862						-.3732
.865	-.1798					
.879	-.3770					
.900	-.3932		-.5103			-.3650
.905		-.5450				
.919	-.5441					
.950			-.5906	-.4742	-.5002	
.953		-.5017				
.955	-.3700					
.965	-.3512					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(4) = .052 BETA0 (1) = -6.173

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			-.1631		-.2688		-.3764		

ALPHA0(4) = .055 BETA0 (2) = -4.122

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1335	-.0525	.4993	.6872	.6569	.6464	.6221	.0452	
.010	-.1506	-.0439	.4470	.1224	.0326	.1035	.1795		
.020	-.1026	.0225	.3737	.0297	.0577	.0623	.0513	.0850	
.040		.0669	.2215						
.050	-.0953			.0730	.0689	.0988	.0919		
.069								.0327	
.080				.1041					
.081			.1529						
.086		.2327							
.094	-.2307								
.150				.2036	.2242	.2035	.1308		
.157								.0151	
.163		.2475							
.177			.1918						
.229	-.1096								
.246		.1791							
.250				.2719	.2537	.2173	.1211		
.274			.2666						
.345								-.0500	
.362	.0000								
.390		.2990							
.400				.3216	.2670		.1106		
.402			.3512						
.418									-.4012
.497	.2690								
.503								-.1259	
.550				.2283	.1295				
.565			.2881						
.600							-.0928		
.637		.3146							
.650					-.0755			-.1796	
.670									
.700	.3924			-.1624					
.725			-.1749						
.730									-.8604
.750					-.0799	-.1232			

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ARC11-013 IAS1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(4) = .055 BETA0 (2) = -4.122

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.2681						
.775				-.0214	-.0553				
.798		-.3599							
.808			-.2404						
.834	-.2978								
.839		-.1809							
.850				-.3492	-.3205	-.3436			
.857			-.3824						
.862								-.3968	
.865	-.1891								
.879		-.3815							
.900	-.3910			-.5256				-.3804	
.905			-.5458						
.919		-.5432							
.950				-.6180	-.4941	-.5157			
.953			-.5352						
.955		-.3767							
.965	-.3758								
1.000			-.1835		-.3107			-.3223	

ALPHA0(4) = .063 BETA0 (3) = -.022

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2509	-.0692	.4219	.5977	.5567	.5554	.5549	-.0105	
.010	-.2052	-.0292	.3977	.0888	-.0822	-.0193	.0805		
.020	-.1474	.0235	.3406	.0188	-.0381	-.0224	-.0222	.0271	
.040		.0628	.2035						
.050	-.1764			.0447	-.0170	.0240	.0378		
.069								-.0159	
.080				.0605					
.081			.1293						
.086		.2022							
.094	-.1921								
.150				.1208	.1541	.1720	.0835		
.157								-.0305	
.163		.2163							
.177			.1348						
.229	.0059								
.246		.1453							
.250				.1958	.1924	.1781	.0833		
.274			.1744						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETLOS)

ALPHA0(4) = .063 BETA0 (3) = -.022

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.0938	
.362	.0000								
.390		.2068							
.400				.2520	.2245		.0721		
.402			.2404						
.418								-.4337	
.497	.1826								
.503								-.1676	
.550				.1793	.0904				
.565			.1819						
.600							-.1263		
.637		.1804							
.650						-.1147			
.670								-.2214	
.700	.2170				-.2019				
.725				-.2103					
.730									-.8507
.750						-.1289	-.1652		
.760			-.3319						
.775				-.0838	-.1172				
.798		-.3268							
.808			-.2707						
.834	-.2796								
.839		-.2325							
.850				-.3970	-.3692	-.3898			
.857			-.4096						
.862								-.4415	
.865	-.2402								
.879		-.4127							
.900	-.3925			-.5694			-.4212		
.905			-.5843						
.919		-.5301							
.950				-.6414	-.5541	-.5566			
.953			-.5080						
.955		-.4124							
.965	-.3761								
1.000			-.2007		-.3953		-.2952		

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETLOG)

ALPHA0(4) = .079 BETA0(4) = 4.095

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3640	-.0541	.3573	.5568	.4896	.4716	.4677	-.0834	
.010	-.3322	-.0313	.3634	.1291	-.0610	-.0722	.0194		
.020	-.2883	.0480	.3313	.0511	-.0400	-.0526	-.0725	-.0435	
.040		.0907	.2270						
.050	-.2809			.0659	-.0277	-.0221	-.0047		
.069								-.0753	
.080				.0770					
.081			.1546						
.086		.1837							
.094	-.2292								
.150				.1166	.1133	.1140	.0333		
.157								-.0895	
.163		.2161							
.177			.1392						
.229	.0336								
.246		.1551							
.250				.1503	.1258	.1238	.0279		
.274			.1522						
.345								-.1473	
.362	.0000								
.390		.1848							
.400				.1560	.1500		.0231		
.402			.1611						
.418								-.4884	
.497	.1712								
.503								-.2189	
.550				.0618	.0057				
.565			.0428						
.600							-.1809		
.637		.0360							
.650						-.1790			
.670								-.2659	
.700	.0453			-.2728					
.725			-.3031						
.730								-.8389	
.750						-.2071	-.2198		
.760			-.2738						
.775				-.1275	-.2023				
.798		-.2545							
.808			-.1806						
.834	-.2716								
.839		-.2284							
.850			-.3433	-.4148	-.4455				
.857			-.3408						
.862								-.4864	

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(4) = .079 BETA0(4) = 4.095

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CH									
.865	-.2599								
.879		-.3251							
.900	-.2913				-.4522			-.4711	
.905			-.4354						
.919		-.3704							
.950				-.5095	-.4961	-.6124			
.953			-.4005						
.955		-.3363							
.965	-.3068								
1.000			-.1639		-.2640		-.4772		

ALPHA0(4) = .086 BETA0(5) = 6.161

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CH									
.000	-.4433	-.0252	.3000	.5136	.4530	.4291	.4295	-.1033	
.010	-.4164	-.0211	.3212	.1256	-.0738	-.1027	-.0233		
.020	-.3634	.0327	.2953	.0610	-.0463	-.0619	-.1013	-.0674	
.040		.0600	.2088						
.050	-.3517			.0708	-.0307	-.0265	-.0148		
.069								-.0972	
.080				.0786					
.081			.1511						
.086		.1511							
.094	-.2069								
.150				.1124	.0987	.0970	.0207		
.157								-.1110	
.163		.1804							
.177			.1456						
.229	.0451								
.246		.1469							
.250				.1357	.1034	.1065	.0027		
.274			.1542						
.345								-.1699	
.362	.0000								
.390		.1770							
.400				.1185	.1168		-.0098		
.402			.1480						
.418									-.4685
.497	.1662								
.503								-.2414	
.550				.0008	-.0360				

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09)

ALPHA0(4) = .086 BETAO (5) = 6.161

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.0148						
.600							-.2048		
.637		.0012							
.650						-.2114			
.670								-.2931	
.700	-.0063				-.3029				
.725				-.3061					
.730									-.7820
.750						-.2412	-.2471		
.760			-.2101						
.775				-.0246	-.1596				
.798		-.2413							
.808			-.1718						
.834	-.2486								
.839		-.2231							
.850				-.2964	-.3321	-.4588			
.857			-.3163						
.862								-.5108	
.865	-.2466								
.879		-.3067							
.900	-.2776			-.4213				-.4942	
.905			-.4178						
.919		-.3528							
.950				-.4943	-.4777	-.5618			
.953			-.4024						
.955		-.3243							
.965	-.3050								
1.000			-.1745		-.2572		-.4546		

ALPHA0(5) = 2.173 BETAO (1) = -6.160

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0849	-.0800	.5297	.7352	.7161	.7025	.6339	.0019	
.010	-.0288	-.0573	.5349	.3662	.3299	.4201	.4408		
.020	.0268	.0316	.4793	.2560	.3035	.3281	.3120	.0950	
.040		.1546	.3349						
.050	-.0375			.2439	.2573	.2824	.2663		
.069								.0723	
.080				.2547					
.081			.2591						
.086		.2990							

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA(5) = 2.173 BETA(1) = -6.160

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.094	-.1401								
.150				.3041	.3109	.3022	.2205		
.157								.0462	
.163		.3138							
.177			.2820						
.229	-.1215								
.246		.2596							
.250				.3571	.3174	.2751	.1823		
.274			.3390						
.345								-.0201	
.362	.0000								
.390		.3647							
.400				.3770	.3051		.1373		
.402			.4059						
.418									-.5498
.497	.3324								
.503								-.0989	
.550				.2664	.1573				
.565		.3253							
.600							-.0654		
.637		.3583							
.650						-.0529			
.670								-.1578	
.700	.4580				-.1407				
.725				-.1337					
.730									-.9352
.750						-.0197	-.0847		
.760			-.2430						
.775				.0484	-.0186				
.798		-.3586							
.808			-.2181						
.834	-.2928								
.839		-.1717							
.850				-.3219	-.2865	-.3141			
.857			-.3788						
.862								-.3674	
.865	-.1661								
.879		-.3657							
.900	-.3814			-.5045			-.3544		
.905			-.5259						
.919		-.5363							
.950				-.5462	-.4587	-.4964			
.953			-.4164						
.955		-.2852							
.965	-.2905								

ORIGINAL PAGE IS
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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09)

ALPHA(5) = 2.173 BETA(1) = -6.160

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000									

ALPHA(5) = 2.175 BETA(2) = -2.076

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000									
.010									
.020									
.040									
.050									
.069									
.080									
.081									
.086									
.094									
.150									
.157									
.163									
.177									
.229									
.246									
.250									
.274									
.345									
.362									
.390									
.400									
.402									
.418									
.497									
.503									
.550									
.565									
.600									
.637									
.650									
.670									
.700									
.725									
.730									
.750									

.000	-.1797	-.1360	.4475	.6635	.6367	.6232	.5677	-.0689
.010	-.1053	-.0514	.4636	.2727	.2055	.2955	.3376	
.020	-.0844	.0123	.4204	.1655	.1899	.2237	.2234	.0249
.040		.0568	.2878					
.050	-.1147			.1563	.1621	.1993	.2013	
.069								.0124
.080				.1641				
.081			.2036					
.086		.2333						
.094	-.1154							
.150				.2150	.2419	.2398	.1664	
.157								-.0106
.163		.2675						
.177			.2070					
.229	-.0328							
.246		.1967						
.250				.2713	.2643	.2266	.1327	
.274			.2567					
.345								-.0706
.362	.0000							
.390		.2811						
.400				.3028	.2621		.0954	
.402			.3207					
.418								-.6180
.497	.2515							
.503								-.1457
.550				.2082	.1182			
.565			.2543					
.600								-.1079
.637		.2699						
.650						-.0929		
.670								-.2080
.700	.3374			-.1782				
.725			-.1913					
.730								-.8486
.750					-.0763	-.1313		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 785

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA(5) = 2.175 BETA(2) = -2.076

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.2886						
.775				-.0390	-.0684				
.798		-.3580							
.808			-.2424						
.834	-.2853								
.839		-.1974							
.850				-.3643	-.3377	-.3666			
.857			-.3903						
.862								-.4158	
.865	-.2127								
.879		-.3918							
.900	-.3913			-.5358			-.3956		
.905			-.5580						
.919		-.5369							
.950				-.5266	-.5118	-.5327			
.953			-.3933						
.955		-.2980							
.965	-.3471								
1.000			-.1547		-.2476		-.3762		

ALPHA(5) = 2.187 BETA(3) = 2.048

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2821	-.1704	.3571	.5793	.5590	.5519	.5091	-.1170	
.010	-.2323	-.1346	.4075	.2709	.1608	.2111	.2686		
.020	-.1958	-.0056	.3860	.1729	.1472	.1520	.1570	-.0316	
.040		.0464	.2820						
.050	-.2245			.1530	.1123	.1344	.1455		
.069								-.0374	
.080				.1378					
.081			.1957						
.086		.2060							
.094	-.1449								
.150				.1638	.1726	.1820	.1188		
.157								-.0593	
.163		.2459							
.177			.1777						
.229	.0323								
.246		.1830							
.250				.1888	.1922	.1807	.0875		
.274			.1882						

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(5) = 2.187 BETA0 (3) = 2.048

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

[illegible]

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(5) = 2.192 BETA0 (4) = 6.163

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.4880	-.0208	.2416	.5233	.4910	.4684	.4256	-.2016	
.010	-.4493	-.0367	.2944	.2328	.1195	.1771	.2202		
.020	-.3802	.0174	.2979	.1511	.1137	.1268	.1212	-.1169	
.040		.0595	.2432						
.050	-.3201			.1389	.0869	.0980	.1107		
.069				.1351				-.1115	
.080									
.081			.1940						
.086		.1584							
.094	-.2036								
.150				.1555	.1405	.1369	.0727		
.157								-.1324	
.163		.1991							
.177			.1790						
.229	.0621								
.246		.1772							
.250				.1626	.1399	.1250	.0283		
.274			.1797						
.345								-.1872	
.362	.0000								
.390		.2013							
.400				.1307	.1251		-.0052		
.402			.1653						
.418								-.7369	
.497	.1900								
.503								-.2512	
.550				-.0012	-.0345				
.565		.0256							
.600							-.2100		
.637		.0106							
.650						-.2167			
.670								-.3175	
.700	.0114				-.3020				
.725			-.2981						
.730								-.9302	
.750						-.2323	-.2358		
.760			-.1990						
.775				-.0094	-.1245				
.798		-.2360							
.808			-.1471						
.834	-.2390								
.839		-.2143							
.850				-.2968	-.3230	-.4567			
.857			-.3100						
.862								-.5169	

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09)

ALPHA(5) = 2.192 BETA(4) = 6.163

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2287								
.879		-.3023							
.900	-.2600			-.4191				-.4978	
.905			-.4083						
.919		-.3531							
.950				-.4864	-.4515	-.5089			
.953			-.3963						
.955		-.3267							
.965	-.2981								
1.000			-.1519		-.1992		-.4213		

ALPHA(6) = 4.247 BETA(1) = -6.141

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0247	-.1382	.4891	.6990	.6944	.6719	.5819	-.1059	
.010	.0639	.0125	.5655	.4914	.4892	.5728	.5651		
.020	.0590	.1212	.5369	.3815	.4464	.4681	.4489	.0447	
.040		.1756	.4026						
.050	-.0212			.3304	.3624	.3863	.3715		
.069				.3159				.0646	
.080									
.081			.3184						
.086		.3187							
.094	.0114								
.150				.3365	.3566	.3546	.2748		
.157								.0450	
.163		.3496							
.177			.3170						
.229	-.0082								
.246		.2927							
.250				.3612	.3400	.3097	.2175		
.274			.3538						
.345								-.0121	
.362	.0000								
.390		.3717							
.400				.3609	.3168		.1574		
.402			.4036						
.418									-.6905
.497	.3407								
.503									-.0909
.550				.2469	.1628				

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(6) = 4.247 BETA0 (1) = -6.141

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.3126						
.600							-.0507		
.637		.3447							
.650						-.0393			
.670								-.1449	
.700	.4497				-.1397				
.725				-.1465					
.730									-.6615
.750						-.0116	-.0750		
.760			-.2444						
.775				.0520	-.0026				
.798		-.3654							
.808			-.2147						
.834	-.3015								
.839		-.1687							
.850				-.3258	-.2926	-.3034			
.857			-.3880						
.862								-.3598	
.865	-.1652								
.879		-.3560							
.900	-.3724			-.4946			-.3439		
.905			-.5141						
.919		-.5247							
.950				-.5783	-.4625	-.4922			
.953			-.4074						
.956		-.2608							
.965	-.2643								
1.000			-.1209		-.2211		-.6266		

ALPHA0(6) = 4.249 BETA0 (2) = -4.095

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0921	-.1740	.4502	.6743	.6597	.6353	.5439	-.1587	
.010	-.0139	-.0463	.5313	.4580	.4510	.5303	.5290		
.020	.0021	.0580	.5099	.3450	.4043	.4289	.4177	-.0007	
.040		.1082	.3835						
.050	-.0542			.2950	.3277	.3502	.3419		
.069								.0307	
.080				.2845					
.081			.2896						
.086		.2845							

{RETL09}

DEPENDENT VARIABLE CP

.965

- .2780

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA(6) = 4.249 BETA(2) = -4.095

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

1.000 -.1085 -.1957 -.6279

ALPHA(6) = 4.254 BETA(3) = -.002

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.2208	-.2452	.3543	.6058	.5929	.5768	.4971	-.2249
.010	-.1653	-.1810	.4463	.3990	.3467	.4372	.4561	
.020	-.1356	-.0336	.4443	.2961	.3087	.3481	.3477	-.0681
.040		.0274	.3418					
.050	-.1496			.2447	.2432	.2810	.2860	
.069								-.0342
.080				.2223				
.081			.2499					
.086		.2271						
.094	-.1019							
.150				.2348	.2649	.2753	.2030	
.157								-.0437
.163		.2877						
.177			.2266					
.229	.0250							
.246		.2190						
.250			.2562	.2588	.2438	.1496		
.274			.2434					
.345								-.0968
.362	.0000							
.390		.2599						
.400			.2623	.2463		.0978		
.402			.2741					
.418								-.7890
.497	.2359							
.503								-.1628
.550				.1648	.0995			
.565		.1877						
.600							-.1131	
.637		.1851						
.650						-.1054		
.670								-.2234
.700	.2362			-.2005				
.725			-.2194					
.730								-.6902
.750					-.0847	-.1443		

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA(6) = 4.254 BETA(3) = -.002

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7900	.8870	.9720 1.0000
X/CW								
.760			-.3229					
.775				-.0796	-.0998			
.798		-.3420						
.808			-.2416					
.834	-.2714							
.839		-.2023						
.850			-.3874	-.3646	-.3837			
.857			-.3902					
.862							-.4320	
.865	-.2247							
.879		-.3846						
.900	-.3605			-.5569			-.4064	
.905			-.5414					
.919		-.4442						
.950				-.4193	-.5480	-.5512		
.953			-.3277					
.955		-.2865						
.965	-.3055							
1.000			-.1279	-.2070		-.5875		

ALPHA(6) = 4.256 BETA(4) = 4.108

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.000	-.3927	-.2145	.2784	.5421	.5329	.5116	.4348	-.3022
.010	-.3397	-.1977	.3586	.3559	.3106	.3732	.3899	
.020	-.2740	-.0308	.3607	.2627	.2740	.2875	.2886	-.1428
.040		.0219	.2889					
.050	-.2382			.2159	.2058	.2229	.2317	
.069								-.1029
.080				.1976				
.081			.2209					
.086		.1926						
.094	-.1551							
.150				.2010	.2109	.2144	.1497	
.157								-.1025
.163		.2433						
.177			.2065					
.229	.0463							
.246		.2007						
.250			.2006	.1956	.1852	.0917		
.274			.2096					

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 (A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(6) = 4.256 BETA0 (4) = 4.108

SECTION (1) LEFT WING BOTTOM.

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.345								-.1519	
.362	.0000								
.390		.2701							
.400				.1756	.1710		.0453		
.402			.2000						
.418									-.7905
.497	.2086								
.503								-.2121	
.550				.0508	.0159				
.565		.0544							
.600							-.1650		
.637		.0570							
.650						-.1658			
.670								-.2767	
.700	.0730				-.2671				
.725				-.2986					
.730									-.6820
.750						-.1614	-.1995		
.760			-.2245						
.775				-.0288	-.1810				
.798		-.2158							
.808			-.1279						
.834	-.2446								
.839		-.1826							
.850				-.2431	-.3209	-.4313			
.857			-.2649						
.862								-.4760	
.865	-.2158								
.879		-.2692							
.900	-.2519			-.3722			-.4556		
.905			-.3737						
.919		-.3232							
.950				-.4643	-.3850	-.5815			
.953			-.3945						
.955		-.2989							
.965	-.2759								
1.000			-.1184		-.1695		-.5386		

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ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(6) = 4.255 BETA0(5) = 5.174

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.5140	-.0653	.1988	.4677	.5002	.4777	.4028	-.3356	
.010	-.4544	-.0852	.2716	.3046	.2750	.3453	.3607		
.020	-.3631	-.0112	.2972	.2284	.2438	.2579	.2658	-.1770	
.040		.0370	.2648						
.050	-.2951			.2024	.1838	.2038	.2082		
.069								-.1331	
.080				.1922					
.081			.2173						
.086		.1517							
.094	-.1641								
.150				.1976	.1936	.1953	.1312		
.157								-.1297	
.163		.2137							
.177			.2043						
.229	.0598								
.246		.2015							
.250				.1949	.1716	.1644	.0721		
.274			.2040						
.345								-.1767	
.362	.0000								
.390		.2255							
.400				.1523	.1377		.0255		
.402			.1855						
.418									-.8313
.497	.2058								
.503								-.2355	
.550				.0166	-.0180				
.565			.0373						
.600							-.1848		
.637		.0308							
.650						-.1926			
.670								-.3024	
.700	.0238				-.2804				
.725				-.2386					
.730									-.7092
.750						-.1973	-.2159		
.760			-.1652						
.775				.0375	-.0668				
.798		-.1983							
.808			-.1253						
.834	-.2264								
.839		-.1789							
.850				-.2652	-.2919	-.4072			
.857			-.2776						
.862								-.5003	

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ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09)

ALPHA(6) = 4.255 BETA(5) = 6.174

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.865	-.2111								
	.879		-.2639							
	.900	-.2408			-.3883			-.4691		
	.905			-.3821						
	.919		-.3102							
	.950				-.4497	-.4345	-.4733			
	.953			-.3520						
	.955		-.2788							
	.965	-.2653								
	1.000			-.1266		-.1284		-.4836		

ALPHA(7) = 6.369 BETA(1) = -4.073

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.000	-.0515	-.2325	.3731	.6330	.6520	.6232	.5048	-.2763	
	.010	.0054	-.1391	.5189	.5806	.5750	.6434	.6209		
	.020	.0177	.0183	.5307	.4669	.5141	.5383	.5210	-.0478	
	.040		.0784	.4294						
	.050	-.0444			.3809	.4110	.4422	.4292		
	.069								.0163	
	.080				.3421					
	.081			.3359						
	.086		.2880							
	.094	.0443								
	.150				.3367	.3705	.3799	.3050		
	.157								.0240	
	.163		.3447							
	.177			.3094						
	.229	.0924								
	.246		.2822							
	.250				.3427	.3394	.3225	.2344		
	.274			.3243						
	.345								-.0285	
	.382	.0000								
	.390		.3324							
	.400				.3282	.3109		.1619		
	.402			.3590						
	.418									-.7634
	.497	.3081								
	.503								-.1007	
	.550				.2142	.1512				

ARC11-019 1A81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(7) = 6.369 BETA0 (1) = -4.073

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.565			.2560							
.600							-.0528			
.637		.2808								
.650						-.0464				
.670								-.1533		
.700	.3782				-.1548					
.725				-.1680						
.730									-.6768	
.750						-.0187	-.0811			
.760			-.2727							
.775				.0334	-.0183					
.798		-.3863								
.808			-.2234							
.834	-.2999									
.839		-.1737								
.850				-.3380	-.2986	-.3109				
.857			-.3829							
.862								-.3721		
.865	-.1838									
.879		-.3506								
.900	-.3630			-.5043			-.3481			
.905			-.5069							
.919		-.4736								
.950				-.5955	-.4856	-.5026				
.953			-.3101							
.955		-.2394								
.965	-.3013									
1.000			-.1282		-.2218		-.6545			

ALPHA0(7) = 6.370 BETA0 (2) = -2.035

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.000	-.1339	-.3478	.3393	.6068	.6078	.5842	.4632	-.3308		
.010	-.0734	-.2419	.4851	.5222	.5230	.5957	.5867			
.020	-.0501	-.0564	.5045	.4163	.4707	.5004	.4909	-.0905		
.040		.0166	.4107							
.050	-.0897			.3382	.3703	.4081	.4022			
.069								-.0226		
.080				.3060						
.081			.3101							
.086		.2647								

1A81A - PRESSURE SOURCE DATA TABULATION

(RETL09)

ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

ALPHA0(7) = 6.370 BETA0 (2) = -2.035

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	-.0082					
.150			.3013	.3408	.3511	.2824
.157						-.0094
.163		.3342				
.177			.2815			
.229	.0630					
.246		.2567				
.250			.3084	.3146	.3003	.2096
.274			.2900			
.345						-.0571
.362	.0000					
.390		.3046				
.400			.2986	.2816		.1420
.402			.3207			
.418						-.7551
.497	.2710					
.503						-.1257
.550			.1910	.1322		
.565		.2194				
.600						-.0736
.637		.2462				
.650					-.0673	
.670						-.1798
.700	.3203			-.1724		
.725			-.1874			
.730						-.6844
.750					-.0419	-.1057
.760		-.3013				
.775			-.0078	-.0466		
.798		-.3896				
.808			-.2492			
.834	-.2894					
.839		-.1751				
.850			-.3616	-.3266	-.3384	
.857			-.3712			
.852						-.3985
.865	-.2048					
.879		-.3430				
.900	-.3513		-.5350		-.3687	
.905		-.4920				
.919		-.3923				
.950			-.4994	-.4902	-.5223	
.953			-.2812			
.955		-.2810				
.965	-.3151					

ARC11-019 IAB1 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09)

ALPHA(7) = 6.370 BETA(2) = -2.035

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		-.1090		-.1694		-.6404		

ALPHA(7) = 6.369 BETA(3) = .015

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000	-.2404	-.4123	.2890	.5817	.5697	.5438	.4350	-.3652
	.010	-.1654	-.3195	.4329	.5002	.4746	.5501	.5468	
	.020	-.1218	-.0860	.4670	.3867	.4218	.4543	.4532	-.1266
	.040		-.0139	.3887					
	.050	-.1041			.3083	.3345	.3728	.3701	
	.069								-.0568
	.080				.2735				
	.081			.2933					
	.086		.2426						
	.094	-.0675							
	.150				.2665	.3044	.3214	.2539	
	.157								-.0383
	.163		.3133						
	.177			.2507					
	.229	.0479							
	.246		.2391						
	.250				.2702	.2808	.2758	.1855	
	.274			.2565					
	.345								-.0841
	.362	.0000							
	.390		.2708						
	.400			.2553	.2520		.1211		
	.402			.2708					
	.418								-.7813
	.497	.2455							
	.503								-.1492
	.550			.1411	.1043				
	.565		.1631						
	.600						-.0925		
	.637		.1653						
	.650					-.0893			
	.670							-.2082	
	.700	.2243			-.1932				
	.725			-.2263					
	.730								-.7112
	.750					-.0696	-.1269		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA(7) = 6.369 BETA(3) = .015

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.760									
.775									
.798									
.808									
.834	-.2552								
.839									
.850									
.857									
.862									
.865	-.2149								
.879									
.900	-.3114								
.905									
.919									
.950									
.953									
.955									
.965	-.3216								
1.000									

ALPHA(7) = 6.366 BETA(4) = 2.074

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.3242	-.3732	.2419	.5427	.5395	.5212	.4143	-.3933
.010	-.2530	-.3165	.3741	.4787	.4334	.5155	.5141	
.020	-.1891	-.0759	.4023	.3745	.3868	.4229	.4247	-.1564
.040		-.0059	.3357					
.050	-.1207			.2958	.3003	.3384	.3448	
.069								-.0873
.080				.2602				
.081			.2663					
.086		.2086						
.094	-.0948							
.150				.2519	.2756	.2905	.2312	
.157								-.0664
.163		.2638						
.177			.2364					
.229	.0564							
.246		.2247						
.250			.2472	.2465	.2440	.1587		
.274			.2330					

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ARC11-019 IAB1 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA0(7) = 6.366 BETA0 (4) = 2.074

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.1092	
.362	.0000								
.390		.2429							
.400				.2163	.2163		.0974		
.402			.2251						
.418									-.7700
.497	.2305								
.503								-.1705	
.550				.0940	.0611				
.565			.0949						
.600							-.1163		
.637		.0866							
.650						-.1159			
.670								-.2342	
.700	.1295				-.2209				
.725				-.2535					
.730									-.7070
.750						-.0960	-.1500		
.760			-.3257						
.775				-.0936	-.1304				
.798		-.2637							
.808			-.0805						
.834	-.2456								
.839		-.1472							
.850				-.2191	-.3468	-.3853			
.857			-.2210						
.862								-.4381	
.865	-.2197								
.879		-.2597							
.900	-.2615			-.3252			-.4078		
.905			-.3719						
.919		-.3345							
.950				-.4239	-.3003	-.5597			
.953			-.4236						
.955		-.3284							
.965	-.2795								
1.000			-.0948		-.1644		-.6136		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL UNSEALD) LEFT WING BOT.

(RETL09)

ALPHA0(7) = 6.365 BETA0(5) = 4.127

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8970	.9720	1.0000
X/CW									
.000	-.4044	-.2493	.2046	.4838	.5097	.4892	.3817	-.4405	
.010	-.3334	-.2254	.3150	.4316	.4193	.4848	.4818		
.020	-.2608	-.0517	.3446	.3397	.3736	.3926	.3915	-.2003	
.040		.0037	.2991						
.050	-.1639			.2775	.2862	.3119	.3124		
.069								-.1305	
.080				.2471					
.081			.2501						
.086		.1752							
.094	-.1277								
.150				.2349	.2520	.2658	.2004		
.157								-.1021	
.163		.2426							
.177			.2293						
.229	.0529								
.246		.2151							
.250				.2207	.2188	.2185	.1297		
.274			.2259						
.345								-.1399	
.362	.0000								
.390		.2377							
.400				.1788	.1800		.0703		
.402			.2133						
.418									-.7638
.497	.2176								
.503								-.1997	
.550				.0430	.0207				
.565			.0599						
.600							-.1422		
.637		.0609							
.650						-.1465			
.670								-.2625	
.700	.0785				-.2517				
.725			-.2732						
.730									-.6967
.750						-.1313	-.1746		
.760			-.1728						
.775				.1092	-.0947				
.798		-.1817							
.808			-.0898						
.834	-.2256								
.839		-.1591							
.850			-.2231	-.2355	-.4013				
.857			-.2457						
.862								-.4621	

ARC11-019 IA81 LVAP(ELHL UNSEALED) LEFT WING BOT.

(RETL09)

ALPHA(7) = 6.365 BETA(5) = 4.127

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.865	-.1918								
	.879		-.2546							
	.900	-.2300			-.3666			-.4290		
	.905			-.3720						
	.919		-.3197							
	.950				-.4535	-.3826	-.4966			
	.953			-.3655						
	.955		-.2846							
	.965	-.2559								
	1.000			-.0925		-.1467		-.5596		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL10) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 2.250
 ELV-18 = 8.000 ELV-08 = 4.000
 RUDDER = .000 SPDBRK = .000

BETA0 (1) = .019 ALPHA0(1) = -6.200

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2290	-.0647	.3337	.4642	-.3497	.2893	.2974	-.1218	
.010	-.2627	-.0358	.1498	-.5344	-.7730	-.6612	-.4846		
.020	-.3063	.0088	.0814	-.5327	-.7373	-.6562	-.4370	-.1336	
.040		.0325	-.0328						
.050	-.1635			-.3877	-.7223	-.6545	-.4224		
.069								-.1373	
.080				-.2416					
.081			-.0635						
.086		.1166							
.094	-.2787								
.150				-.1208	-.2414	-.5457	-.4498		
.157								-.1488	
.163		.1081							
.177			-.0495						
.229	-.0248								
.246		.0231							
.250				-.0370	-.0701	-.2050	-.4479		
.274			.0231						
.345								-.1771	
.362	.0000								
.390		.0827							
.400				.1239	.1662		-.2786		
.402			.0735						
.418								-.1341	
.497	.0668								
.503								-.2189	
.550				.1232	.0569				
.565			.1099						
.600							-.0159		
.637		.1140							
.650						-.1169			
.670								-.3872	
.700	.1230				-.2133				
.725			-.2544						
.730								-.2248	
.750						-.1243	-.0742		
.760			-.3050						
.775				-.1585	-.1117				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL10)

BETA0 (1) = .001 ALPHA0(2) = -4.091

SECTION (1)	LEFT WING BOTTOM									DEPENDENT VARIABLE CP
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.390		.1137					.0930			
.400				.1647	.1839					
.402			.1273							
.418										-.1599
.497	.1048									
.503										-.2038
.550				.1306	.0685					
.565			.1331							
.600							-.0988			
.637		.1288								
.650						-.1152				
.670								-.2486		
.700	.1515				-.2097					
.725				-.2566						
.730										-.3389
.750						-.1205	-.1341			
.760			-.2932							
.775				-.1634	-.1037					
.798		-.1926								
.808			-.2432							
.834	-.2186									
.839		-.2286								
.850				-.3829	-.3736	-.3879				
.857			-.4193							
.862								-.3442		
.865	-.2724									
.879		-.4239								
.900	-.3894			-.5522			-.4077			
.905			-.5880							
.919		-.5319								
.950				-.6682	-.5593	-.5484				
.953			-.5679							
.955		-.4626								
.965	-.3895									
1.000			-.2334		-.4224		-.4087			

ARC11-019 [A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL10)

BETA0 (1) = -.016 ALPHA0(3) = -2.000

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2409	-.0378	.4186	.5579	.4747	.4400	.4934	-.0380	
.010	-.2463	.0034	.3332	-.1324	-.4194	-.4310	-.2473		
.020	-.2216	.0394	.2670	-.1432	-.3502	-.3132	-.3100	-.0231	
.040		.0675	.1291						
.050	-.1692			-.1041	-.2851	-.2745	-.2342		
.069								-.0491	
.080				-.0578					
.081			.0581						
.086		.1813							
.094	-.2610								
.150				.0308	.0785	.0700	.0166		
.157								-.0494	
.163		.1786							
.177			.0734						
.229	.0061								
.246		.1038							
.250				.1230	.1395	.1293	.0451		
.274			.1080						
.345								-.0908	
.362	.0000								
.390		.1572							
.400				.2122	.1988		.0562		
.402			.1919						
.418								-.2315	
.497	.1414								
.503								-.1675	
.550				.1519	.0774				
.565			.1552						
.600							-.1268		
.637		.1552							
.650						-.1199			
.670								-.2110	
.700	.1871				-.2065				
.725				-.2370					
.730								-.6835	
.750						-.1314	-.1695		
.760			-.3147						
.775				-.1600	-.0911				
.798		-.2151							
.808			-.2498						
.834	-.1874								
.839		-.2269							
.850				-.3815	-.3753	-.3944			
.857			-.4146						
.862								-.4320	

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL10)

BETA0 (1) = -.016 ALPHA0(3) = -2.000

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.865	-.2504									
.879		-.4204								
.900	-.3880				-.5522			-.4232		
.905			-.5846							
.919		-.5289								
.950					-.6679	-.5540	-.5598			
.953			-.5394							
.955		-.4305								
.965	-.3749									
1.000			-.2151		-.4177			-.3421		

BETA0 (1) = -.022 ALPHA0(4) = .085

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.2482	-.0628	.4244	.5989	.5506	.5421	.5384	-.0218		
.010	-.1967	-.0272	.3952	.6698	-.1029	-.0653	.0472			
.020	-.1439	.0305	.3408	-.0057	-.0617	-.0387	-.0581	.0197		
.040		.0709	.2075							
.050	-.1731			.0243	-.0377	.0125	.0256			
.069				.0452				-.0238		
.080										
.081			.1259							
.086		.2020								
.094	-.1804									
.150				.1008	.1487	.1633	.0772			
.157								-.0383		
.163		.2164								
.177			.1283							
.229	.0143									
.246		.1463								
.250				.1776	.1869	.1690	.0807			
.274			.1688							
.345								-.0983		
.362	.0000									
.390		.2025								
.400				.2341	.2197		.0672			
.402			.2307							
.418									-.4355	
.497	.1826									
.503										-.1705
.550			.1631	.0883						

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL10)

BETA0 (1) = -.022 ALPHA0(4) = .085

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565			.1776						
.600							-.1297		
.637		.1769							
.650						-.1195			
.670								-.2163	
.700	.2157				-.2069				
.725				-.2317					
.730									-.8885
.750						-.1488	-.1735		
.760			-.3433						
.775				-.1633	-.0849				
.798		-.2592							
.808			-.2515						
.834	-.1838								
.839		-.2289							
.850				-.3883	-.3740	-.3968			
.857			-.4143						
.862								-.4449	
.865	-.2358								
.879		-.4179							
.900	-.3911			-.5595			-.4332		
.905			-.5853						
.919		-.5366							
.950				-.6463	-.5569	-.5628			
.953			-.5466						
.955		-.4206							
.965	-.3715								
1.000			-.2113		-.4120		-.3226		

BETA0 (1) = -.019 ALPHA0(5) = 2.189

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2236	-.1433	.3979	.6109	.5897	.5838	.5346	-.0874	
.010	-.1602	-.0968	.4278	.2605	.1663	.2439	.3005		
.020	-.1380	.0017	.3980	.1583	.1581	.1736	.1805	-.0062	
.040		.0510	.2812						
.050	-.1759			.1420	.1191	.1526	.1626		
.069								-.0164	
.080				.1356					
.081			.1910						
.086		.2125							

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL10)

BETA0 (1) = -.019 ALPHA0(5) = 2.189

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			-.1817		-.3046		-.4357		

BETA0 (1) = -.014 ALPHA0(6) = 4.274

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2213	-.2372	.3616	.6085	.5986	.5772	.4938	-.2222	
.010	-.1654	-.1793	.4466	.3997	.3526	.4375	.4547		
.020	-.1394	-.0308	.4469	.2905	.3131	.3536	.3457	-.0692	
.040		.0298	.3449						
.050	-.1461			.2429	.2473	.2850	.2867		
.059								-.0348	
.080				.2244					
.081			.2514						
.086		.2290							
.094	-.1021								
.150				.2342	.2692	.2729	.2041		
.157								-.0422	
.163		.2894							
.177			.2269						
.229	.0281								
.246		.2233							
.250				.2591	.2598	.2422	.1492		
.274			.2446						
.345								-.0985	
.362	.0000								
.390		.2624							
.400				.2658	.2510		.0986		
.402			.2738						
.418									-.8030
.497	.2333								
.503								-.1602	
.550				.1664	.1059				
.565			.1861						
.600							-.1086		
.637		.1847							
.650					-.1048				
.670								-.2091	
.700	.2309			-.1961					
.725			-.2244						
.730									-1.0052
.750					-.1275	-.1336			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL10)

BETA0 (1) = -.014 ALPHA0(6) = 4.274

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3340	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.3509						
.775				-.1580	-.0601				
.798		-.2503							
.808			-.2298						
.834	-.1731								
.839		-.2048							
.850				-.3736	-.3580	-.3805			
.857			-.3795						
.862								-.4339	
.865	-.2324								
.879		-.3841							
.900	-.3653			-.5356				-.4190	
.905			-.5369						
.919		-.4329							
.950				-.4640	-.5482	-.5505			
.953			-.3315						
.955		-.2788							
.965	-.3020								
1.000			-.1315		-.2072		-.4585		

BETA0 (1) = .001 ALPHA0(7) = 6.376

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2396	-.4081	.2883	.5826	.5749	.5468	.4364	-.3683	
.010	-.1656	-.3255	.4319	.4939	.4754	.5518	.5516		
.020	-.1218	-.0894	.4685	.3854	.4278	.4595	.4543	-.1307	
.040		-.0201	.3905						
.050	-.1016			.3086	.3360	.3719	.3745		
.069								-.0607	
.080				.2749					
.081			.2910						
.086		.2383							
.094	-.0665								
.150				.2695	.3117	.3219	.2546		
.157								-.0418	
.163		.3133							
.177			.2543						
.229	.0499								
.246		.2385							
.250				.2725	.2817	.2744	.1822		
.274			.2588						

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(ELML SEALED) LEFT WING BOT.

(RETL10)

BETA0 (1) = .001 ALPHA0(7) = 8.376

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.0886	
.362	.0000								
.390		.2694							
.400				.2570	.2510		.1176		
.402			.2703						
.418								-.8406	
.497	.2476								
.503								-.1493	
.550				.1435	.1024				
.555			.1596						
.600							-.0910		
.637		.1648							
.650						-.0890			
.670								-.2005	
.700	.2286				-.1974				
.725				-.2308					
.730								-.7955	
.750						-.1166	-.1200		
.760			-.3671						
.775				-.1587	-.0626				
.798		-.2582							
.808			-.2120						
.834	-.1722								
.839		-.1761							
.850				-.3655	-.3490	-.3651			
.857			-.3145						
.862								-.4216	
.865	-.2193								
.879		-.3110							
.900	-.3165			-.4779			-.4073		
.905			-.3536						
.919		-.3261							
.950				-.3210	-.4975	-.5443			
.953			-.3580						
.955		-.3221							
.965	-.3152								
1.000			-.1102		-.1239		-.6920		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11) (17 OCT 75)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.250 RN/FT = 2.250
 ELV-18 = 8.000 ELV-08 = 4.000
 RUDDER = .000 SPDBRK = .000

ALPHA0 (1) = -6.258 BETA0 (1) = -4.078

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000		-.0378	-.1431	.2655	.5247	.4752	.4460	.4578	-.1376	
.010		-.0567	-.2717	-.0283	-.4409	-.5603	-.4367	-.4124		
.020		-.1049	-.1927	-.0919	-.5935	-.5074	-.4978	-.3675	-.1370	
.040			-.1003	-.2402						
.050		-.2253			-.5222	-.5000	-.4790	-.3596		
.069									-.1287	
.080					-.5072					
.081				-.3241						
.086			-.1570							
.094		-.1096								
.150					-.2182	-.3182	-.4386	-.3449		
.157									-.1179	
.163			-.0611							
.177				-.1633						
.229		-.0718								
.246			-.0736							
.250					.1106	-.2526	-.3169	-.3254		
.274				.1297						
.345									-.1455	
.362		.0000								
.390			.1756							
.400					.2135	.2425		-.3175		
.402				.1965						
.418									-.1238	
.497		.1105								
.503									-.1551	
.550					.2540	.2094				
.565				.2803						
.600								-.1997		
.637			.2950							
.650						.0432				
.670								-.3308		
.700		.3173			-.0418					
.725				-.0780						
.730									-.2937	
.750						.0674	.0326			
.760				-.1812						
.775					-.0053	.0816				

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA0(1) = -6.258 BETA0 (1) = -4.078

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.798		-.2633				
.808			-.1635			
.834	-.1134					
.839		-.1639				
.850				-.2235	-.1950	-.1803
.857			-.3192			
.862						
.865	-.1643					-.4162
.879		-.2950				
.900	-.2951			-.3868		-.1723
.905			-.4477			
.919		-.4476				
.950				-.5042	-.3776	-.3293
.953			-.5251			
.955		-.5210				
.965	-.4253					
1.000			-.4092	-.4733		-.2102

ALPHA0(1) = -6.244 BETA0 (2) = -2.027

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.0711	-.1645	.2064	.4792	.4266	.3968	.4052	-.1904
.010	-.0951	-.2273	-.0530	-.4651	-.5732	-.4555	-.4513	
.020	-.1361	-.1749	-.0995	-.5740	-.5127	-.5738	-.4749	-.1964
.040		-.1409	-.2408					
.050	-.2498			-.5140	-.5258	-.5310	-.4637	
.069								-.1882
.080				-.4254				
.081			-.2469					
.086		-.2046						
.094	-.1468							
.150				-.1234	-.3052	-.4431	-.4447	
.157								-.1663
.163		-.0643						
.177			-.0438					
.229	-.1324							
.246		-.0929						
.250				.0522	-.1947	-.3585	-.3836	
.274			.0876					
.345								-.1736
.362	.0000							

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA0 (1) = -6.244 BETA0 (2) = -2.027

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.1464							
.400				.1478	.1779		-.3173		
.402			.1495						
.418									-.1473
.497	.1015								
.503								-.2110	
.550				.2116	.1671				
.565			.2129						
.600							-.0575		
.637		.2267							
.650						.0168			
.670								-.4150	
.700	.2409				-.0654				
.725				-.0996					
.730									-.2888
.750						.0528	.0824		
.760			-.1860						
.775				-.0240	.0605				
.798		-.2090							
.808			-.1373						
.834	-.1468								
.839		-.1017							
.850				-.2434	-.2113	-.2028			
.857			-.2729						
.862								-.3557	
.865	-.1781								
.879		-.2912							
.900	-.3065			-.3860			-.1930		
.905			-.4251						
.919		-.4286							
.950				-.4898	-.3838	-.3442			
.953			-.5190						
.955		-.4679							
.965	-.4022								
1.000			-.3924		-.4609		-.1156		

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OF POOR QUALITY

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA0(1) = -6.209 BETA0 (3) = .049

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BH	.2990	.3640	.4270	.5340	.6730	.7800	.8970	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.000	-.1303	-.2086	.1817	.4494	.3908	.3419	.3548	-.3301
.010	-.1478	-.2805	-.0850	-.4510	-.5882	-.4808	+.4823	
.020	-.1851	-.1730	-.1242	-.4685	-.6105	-.6315	-.5705	-.3158
.040		-.1542	-.2051					
.050	-.2851			-.4299	-.5490	-.5771	-.5479	
.069								-.2871
.080				-.1413				
.081			-.0949					
.086		-.2041						
.094	-.1607							
.150				-.1187	-.2362	-.4616	-.5415	
.157								-.2601
.163		-.0231						
.177			.0091					
.229	-.1488							
.246		.0220						
.250				-.0009	-.0058	-.3671	-.4484	
.274			.0544					
.345								-.2483
.362	.0000							
.390		.1109						
.400				.0293	.0163		-.3215	
.402			.0608					
.418								
.497	.0994							
.503								-.3369
.550				.1455	.1292			
.565			.1045					
.600							.0581	
.637		.1191						
.650						-.0087		
.670								-.3209
.700	.1285				-.0899			
.725				-.1321				
.730								
.750						-.0132	.0215	
.760			-.2163					
.775				-.0576	-.0133			
.798		-.1875						
.808			-.1438					
.834	-.1873							
.839		-.1186						
.850				-.2656	-.2439	-.2274		
.857			-.2915					
.862								-.2630

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(1) = -6.209 BETA(3) = .049

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2057								
.879		-.3096							
.900	-.3042			-.4036			-.2283		
.905			-.4479						
.919		-.4274							
.950				-.5066	-.4006	-.3665			
.953			-.5369						
.955		-.4436							
.965	-.3679								
1.000			-.3249	-.4636		-.2146			

ALPHA(1) = -6.193 BETA(4) = 2.114

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1918	-.2249	.1938	.4448	.3462	.2866	.2914	-.3149	
.010	-.2066	-.2055	.0315	-.4035	-.6010	-.5078	-.5148		
.020	-.2318	-.1751	.0225	-.3676	-.6144	-.5815	-.5266	-.3073	
.040		-.1783	-.0589						
.050	-.2878			-.2486	-.5512	-.5650	-.5148		
.069								-.2799	
.080				-.1745					
.081			-.0179						
.086		-.0920							
.094	-.1946								
.150				-.0937	-.2193	-.5116	-.5241		
.157								-.2548	
.163		.0488							
.177			-.0012						
.229	-.1593								
.246		.0533							
.250				-.0087	-.0772	-.3565	-.5081		
.274			.0325						
.345								-.2653	
.362	.0000								
.390		.0875							
.400				.0266	-.0260		-.3486		
.402			.0604						
.418								-.1839	
.497	.0800								
.503								-.3899	
.550				.0352	.1050				

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RFTL11)

ALPHA0(1) = -6.193 BETA0(4) = 2.114

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.0254						
.600							.1060		
.637		.0431							
.650						-.0249			
.670								-.2968	
.700	.0400				-.1170				
.725				-.1738					
.730									-.3168
.750						-.0272	.0176		
.760			-.2660						
.775				-.1038	-.0457				
.798		-.1688							
.808			-.1484						
.834	-.2277								
.839		-.1691							
.850				-.2938	-.2807	-.2571			
.857			-.3048						
.862								-.2087	
.865	-.2321								
.879		-.3081							
.900	-.2815			-.4151			-.2459		
.905			-.4443						
.919		-.3725							
.950				-.5119	-.4270	-.3928			
.953			-.4876						
.955		-.3757							
.965	-.3093								
1.000			-.2753		-.4540		-.2411		

ALPHA0(1) = -6.181 BETA0(5) = 4.175

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2495	-.1983	.1900	.4088	.2987	.2409	.2902	-.2169	
.010	-.2569	-.1718	.0752	-.4138	-.6164	-.5225	-.5035		
.020	-.2713	-.1830	.0546	-.3823	-.5736	-.5266	-.4605	-.2189	
.040		-.1459	-.0148						
.050	-.2237			-.2408	-.5631	-.5184	-.4557		
.069								-.1988	
.080				-.1449					
.081			.0029						
.086		-.0403							

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA0(1) = -6.181 BETA0(5) = 4.175

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.094	-.2309					
.150			-.0608	-.1406	-.4947	-.4837
.157						-.1918
.163		.0474				
.177		.0035				
.229	-.1586					
.246		.0390				
.250			.0045	-.0679	-.2601	-.4433
.274		.0459				
.345						-.2841
.362	.0000					
.390		.0970				
.400			.0208	-.0221		-.2770
.402		.0646				
.418						-.1643
.497	.0793					
.503						-.4358
.550			-.0299	.1548		
.565		-.0109				
.600					.0769	
.637		.0063				
.650					-.0294	
.670						-.2090
.700	-.0181			-.1231		
.725			-.1901			
.730						-.2828
.750					-.0402	-.0102
.760		-.1542				
.775			-.0853	-.0659		
.790		-.1428				
.808		-.1652				
.834	-.2393					
.839		-.1894				
.850			-.2700	-.2787	-.2789	
.857		-.2895				
.862						-.1595
.865	-.2443					
.879		-.2773				
.900	-.2528		-.3953			-.2617
.905		-.3872				
.919		-.3182				
.950			-.4794	-.4035	-.4120	
.953		-.4035				
.955		-.3135				
.965	-.2772					

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1AB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(1) = -6.181 BETA(5) = 4.175

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW
1.000 -.2182 -.3895 -.2878

ALPHA(2) = -4.161 BETA(1) = -6.152

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW
.000 .0094 -.0975 .3534 .6284 .5822 .5559 .5688 -.0433
.010 -.0287 -.1664 .1241 -.3176 -.4360 -.3526 -.3049
.020 -.0782 -.0719 .0561 -.4703 -.4801 -.5345 -.4199 -.0350
.030 -.0253 -.1232
.050 -.1976 -.3812 -.4300 -.4747 -.4017
.069 -.0181
.080 -.3739
.081 -.2162
.086 -.1233
.094 -.0741
.150 .0657 -.0826 -.2683 -.3174
.157 -.0168
.163 -.0042
.177 .0157
.229 -.0948
.246 -.0264
.250 .1440 .0737 .0504 -.1912
.274 .1850
.345 -.0264
.362 .0000
.390 .2359
.400 .3352 .3053 .1073
.402 .3111
.418 -.0686
.497 .3101
.503 -.1753
.550 .3218 .2440
.565 .3631
.600 .1121
.637 .3861
.650 .0761
.670 -.0986
.700 .4377
.725 -.0323
.730 .0599 .0564
.750 -.3101

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(2) = -4.161 BETA(1) = -6.152

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.760									
.775									
.798									
.808									
.834									
.839									
.850									
.857									
.862									
.865									
.879									
.900									
.905									
.919									
.950									
.953									
.955									
.965									
1.000									

ALPHA(2) = -4.149 BETA(2) = -4.101

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000									
.010									
.020									
.040									
.050									
.069									
.080									
.081									
.086									
.094									
.150									
.157									
.163									
.177									
.229									
.246									
.250									
.274									

ORIGINAL PAGE IS
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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(2) = -4.149 BETA(2) = -4.101

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.1864	
.362	.0000								
.390		.2183							
.400				.2804	.2885		.1295		
.402			.2589						
.418									-.0955
.497	.1853								
.503								-.2209	
.550				.2959	.2257				
.565			.3148						
.600							.0911		
.637		.3323							
.650						.0585			
.670								-.0681	
.700	.3545				-.0183				
.720				-.0507					
.730									-.3188
.750						.0324	.0302		
.760			-.1509						
.775				.0299	.0803				
.798		-.2445							
.808			-.1381						
.834	-.2522								
.839		-.1704							
.850				-.2008	-.1732	-.1900			
.857			-.3101						
.862								-.1871	
.865	-.1659								
.879		-.2818							
.900	-.3135			-.3655			-.2105		
.905			-.4378						
.919		-.4265							
.950				-.4937	-.3662	-.3368			
.953			-.5073						
.955		-.5015							
.965	-.4331								
1.000			-.3922		-.4458		-.2117		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA0 (2) = -4.119 BETA0 (3) = .013

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1380	-.1924	.2249	.5242	.4569	.4105	.4197	-.2834	
.010	-.1537	-.1941	.0417	-.3185	-.4687	-.4183	-.3924		
.020	-.1850	-.1375	.0053	-.2769	-.5174	-.5746	-.5964	-.2610	
.040		-.1252	.0129						
.050	-.2820			-.1148	-.4385	-.5123	-.5143		
.069								-.2045	
.080				-.0941					
.081			-.0501						
.086		-.1905							
.094	-.1634								
.150				-.0598	-.0829	-.2734	-.4802		
.157								-.1724	
.163		.0553							
.177			.0408						
.229	-.1368								
.246		.0840							
.250				.0270	-.0368	-.1162	-.3174		
.274			.0859						
.345								-.2756	
.362	.0000								
.390		.1322							
.400				.0861	.1416		.1370		
.402			.1032						
.418								-.1369	
.497	.1216								
.503								-.1489	
.550				.1904	.1740				
.565		.1617							
.600							.0545		
.637		.1592							
.650						.0177			
.670								-.0315	
.700	.1638				-.0673				
.725				-.1116					
.730								-.3314	
.750						-.0033	-.0026		
.750			-.1903						
.775				-.0420	.0279				
.798		-.2447							
.808			-.1385						
.834	-.1844								
.839		-.1292							
.850				-.2476	-.2204	-.2244			
.857			-.2793						
.862								-.2295	

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(2) = -4.119 BETA(3) = .013

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.865	-.2069							
.879		-.3100						
.900	-.3124			-.4005			-.2336	
.905			-.4365					
.919		-.4401						
.950				-.5127	-.4004	-.3723		
.953			-.5329					
.955		-.4687						
.985	-.3745							
1.000		-.3056		-.4747		-.1416		

ALPHA(2) = -4.090 BETA(4) = 4.141

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.2813	-.1607	.2409	.4496	.3572	.3153	.3607	-.1201
.010	-.2928	-.1455	.1767	-.2661	-.4989	-.4618	-.4187	
.020	-.2953	-.1212	.1366	-.2060	-.4588	-.5002	-.4276	-.1214
.040		-.0943	.0914					
.050	-.1923			-.1462	-.4307	-.4761	-.4232	
.069								-.0925
.080				-.0695				
.081			.0291					
.086		.0193						
.094	-.2474							
.150				-.0115	-.0661	-.1838	-.3971	
.157								-.1236
.163		.0870						
.177			.0487					
.229	-.1506							
.246		.0587						
.250				.0413	-.0342	-.0211	-.2002	
.274			.0772					
.345								-.2330
.362	.0000							
.390		.1258						
.400				.0553	.1103		.1675	
.402			.0904					
.418								-.1540
.497	.1061							
.503								-.1131
.550			.0909	.1230				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA0(2) = -4.090 BETA0 (4) = 4.141

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.565			.0140					
.600							-.0041	
.637		.0257						
.650						-.0363		
.670								-.0632
.700	.0118				-.1269			
.725				-.1910				
.730								-.3773
.750						-.0695	-.0636	
.760			-.1728					
.775				-.0962	-.0354			
.798		-.1298						
.808			-.1677					
.834	-.2314							
.839		-.1969						
.850				-.2717	-.2783	-.2812		
.857			-.2929					
.862								-.2876
.865	-.2292							
.879		-.2863						
.900	-.2524			-.3899			-.2905	
.905			-.3914					
.919		-.3295						
.950				-.4760	-.4166	-.4235		
.953			-.4087					
.955		-.3244						
.965	-.2758							
1.000			-.2184		-.4287		-.2873	

ALPHA0(2) = -4.088 BETA0 (5) = 6.203

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.000	-.3319	-.1237	.2340	.5135	.3690	.2894	.2813	-.1968
.010	-.3350	-.0998	.1944	-.0510	-.4687	-.4859	-.4490	
.020	-.3346	-.0856	.1617	-.0329	-.4139	-.5027	-.4586	-.1910
.040		-.0656	.1075					
.050	-.2005			-.0068	-.3311	-.4853	-.4401	
.069								-.1739
.080				0218				
.081			.0576					
.086		.0236						

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(3) = -2.044 BETA(1) = -6.169

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.1139						
.775				.0698	.1234				
.798		-.2101							
.808			-.0880						
.834	-.2195								
.839		-.1677							
.850				-.1598	-.1524	-.1698			
.857			-.3039						
.862								-.2204	
.865	-.1942								
.879		-.2399							
.900	-.3026			-.3271			-.2073		
.905			-.4450						
.919		-.4057							
.950				-.4721	-.3541	-.3273			
.953			-.4971						
.955		-.4972							
.965	-.4252								
1.000			-.4095		-.3493		-.4289		

ALPHA(3) = -2.029 BETA(2) = -2.075

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.0775	-.1505	.2943	.5927	.5579	.5253	.5262	.0182	
.010	-.0958	-.0503	.1401	-.2323	-.3507	-.3134	-.2503		
.020	-.1316	-.0694	.0744	-.2676	-.3539	-.4372	-.4159	.0249	
.040		-.0855	-.1118						
.050	-.2322			-.1026	-.2606	-.3604	-.3342		
.069								.0417	
.080				-.0137					
.081			-.0035						
.086		-.1676							
.094	-.1407								
.150				.0111	.0096	-.0235	-.1595		
.157								.0135	
.163		-.0215							
.177			.1203						
.229	-.0838								
.246		.0791							
.250				.1265	.0850	.1823	.1284		
.274			.1571						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(3) = -2.029 BETA(2) = -2.075

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345									
.362	.0000								
.390		.2140							
.400				.2762	.3171		.2240		
.402			.2604						
.418									
.497	.1839								
.503									
.550				.2892	.2228				
.565			.2943						
.600							.0427		
.637		.3016							
.650						.0499			
.670									
.700	.3241				.0260				
.725				-.0626					
.730									
.750						.0222	-.0021		
.760									
.775									
.798									
.808									
.834	-.2272								
.839									
.850									
.857									
.862									
.865	-.1760								
.879									
.900	-.3131								
.905									
.919									
.950									
.953									
.955									
.965	-.4284								
1.000									

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(RETL11)

DEPENDENT VARIABLE CP

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TABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TABI LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA0(3) = -2.008 BETA0 (3) = 2.060

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.855	-.2056								
.879		-.3124							
.900	-.2758			-.4126				-.2887	
.905			-.4519						
.919		-.3812							
.950				-.5187	-.4180	-.4054			
.953			-.5081						
.955	-.3723								
.965	-.3052								
1.000		-.2327		-.4554			-.2532		

ALPHA0(3) = -1.995 BETA0 (4) = 6.179

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3711	-.1157	.2760	.5407	.4214	.3607	.3561	-.0853	
.010	-.3676	-.1009	.2722	.0585	-.2758	-.3635	-.3258		
.020	-.3393	-.0611	.2545	.0315	-.2140	-.3366	-.3576	-.0662	
.040		-.0317	.1915						
.050	-.2136			.0019	-.1882	-.2941	-.3251		
.069								-.0316	
.080				.0277					
.081			.1630						
.086		.0543							
.094	-.2788								
.150				.0677	.0048	-.0082	-.0673		
.157								-.0005	
.163		.1435							
.177			.1184						
.229	-.0922								
.246		.1336							
.250				.0950	.0485	.0291	.0268		
.274			.1351						
.345								-.0348	
.362	.0000								
.390		.1711							
.400				.1049	.1122		.1294		
.402			.1412						
.418									-.2327
.497	.1457								
.503								-.0976	
.550				.0490	.0932				

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(3) = -1.995 BETA(4) = 6.179

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.565			.0419							
.600							-.0557			
.637		.0407								
.650						-.0619				
.670								-.1579		
.700	-.0113				-.1534					
.725				-.2224						
.730									-.8037	
.750						-.1049	-.1069			
.760			-.1614							
.775				-.0988	-.0642					
.798		-.1419								
.808			-.1530							
.834	-.2308									
.839		-.1850								
.850				-.2552	-.2772	-.3078				
.857			-.2727							
.862								-.3559		
.865	-.2342									
.879		-.2691								
.900	-.2484			-.3429			-.3390			
.905			-.3540							
.919		-.3065								
.950				-.4092	-.3876	-.4539				
.953			-.3546							
.955		-.2970								
.965	-.2668									
1.000			-.2314		-.3933		-.3158			

ALPHA(4) = .066 BETA(1) = -6.174

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.000	.0106	-.0965	.4080	.7112	.6994	.6757	.6950	.1520		
.010	-.0106	.0209	.2960	-.0415	-.0618	-.0497	.1355			
.020	-.0522	.0095	.2113	-.0469	-.0286	-.0195	.0114	.1813		
.040		.0102	-.0088							
.050	-.0143			.0824	-.0656	.0403	.1113			
.069								.1412		
.080				.0732						
.081			.0743							
.086		-.0547								

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(4) = .066 BETA(1) = -6.174

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.084	-.0891									
.150				.1451	.2955	.2670	.2262			
.157								.1361		
.163		.0180								
.177			.1978							
.229	.0307									
.246		.0509								
.250				.3132	.3239	.3077	.2223			
.274			.2739							
.345								.0891		
.362	.0000									
.390		.3210								
.400				.4154	.3778		.2344			
.402			.4234							
.418										-.1995
.497	.2855									
.503								.0213		
.550				.3584	.2685					
.565			.4071							
.600							.0601			
.637		.4385								
.650					.0792					
.670								-.0251		
.700	.5108				.0066					
.725				-.0052						
.730										-.6538
.750						.0531	.0290			
.760			-.1076							
.775				.0782	.1321					
.798		-.2027								
.808			-.0817							
.834	-.3101									
.839		-.1769								
.850				-.1565	-.1568	-.1742				
.857			-.2986							
.862								-.2313		
.865	-.2049									
.879		-.2872								
.900	-.2976			-.3305				-.2134		
.905			-.4439							
.919		-.4073								
.950				-.4759	-.3739	-.3349				
.953			-.5103							
.955		-.5064								
.965	-.4453									

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA0(4) = .066 BETA0 (1) = -6.174

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000								

ALPHA0(4) = .072 BETA0 (2) = -4.124

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0375	-.0833	.3672	.6671	.6641	.6307	.8539	.1200	
.010	-.0501	.0031	.2566	-.0959	-.0790	-.0986	.0813		
.020	-.0868	-.0348	.1799	-.1194	-.0344	-.1339	-.0020	.1474	
.040		-.0458	-.0329						
.050	-.0144			-.0028	-.0637	-.0385	.0743		
.069								.1153	
.080				.1487					
.081			.0412						
.086		-.0950							
.094	-.1304								
.150				.1497	.1658	.2803	.2140		
.157								.1121	
.163		.0009							
.177			.2341						
.229	-.0166								
.246		.0427							
.250				.2482	.3141	.2950	.2039		
.274			.2479						
.345								.0698	
.362	.0000								
.390		.2999							
.400				.3944	.3663		.2188		
.402			.3980						
.418									-.2328
.497	.2695								
.503									-.0014
.550				.3419	.2538				
.565			.3848						
.600							.0475		
.637		.4022							
.650					.0678				
.670								-.0449	
.700	.4502			-.0042					
.725			-.0174						
.730									-.6783
.750					.0403	.0138			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(4) = .072 BETA(2) = -4.124

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.760			-.1207							
.775				.0639	.1127					
.798		-.2119								
.808			-.0992							
.834	-.2735									
.839		-.1725								
.850				-.1701	-.1663	-.1842				
.857			-.3041							
.862								-.2503		
.865	-.1792									
.879		-.2770								
.900	-.3017			-.3384				-.2251		
.905			-.4430							
.919		-.4091								
.950				-.4811	-.3642	-.3415				
.953			-.5055							
.955		-.5018								
.965	-.4333									
1.000			-.3740	-.3811			-.4940			

ALPHA(4) = .075 BETA(3) = -.018

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.000	-.1545	-.1664	.3590	.6115	.5703	.5371	.5331	.0729		
.010	-.1619	-.0607	.3364	.0800	-.0805	-.1455	-.0888			
.020	-.1841	-.0882	.2807	.0415	-.0469	-.1677	-.2526	.1018		
.040		-.0992	.1341							
.050	-.0848			.0043	-.0983	-.1062	-.1300			
.069								.0761		
.080				.0459						
.081			.1924							
.086		.0246								
.094	-.1741									
.150				.0949	.0906	.0586	.2421			
.157								.0707		
.163		.1771								
.177			.1258							
.229	-.0792									
.246		.1549								
.250				.1416	.1081	.2925	.2001			
.274			.1799							

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA0 (4) = .075 BETA0 (3) = -.018

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								.0190	
.362	.0000								
.390		.2139							
.400				.2650	.3299		.1877		
.402			.2266						
.418									-.2856
.497	.1845								
.503								-.0467	
.550				.2608	.2158				
.565			.2429						
.600							.0132		
.637		.2392							
.650					.0259				
.670								-.0933	
.700	.2515				-.0469				
.725				-.0831					
.730									-.7090
.750						-.0081	-.0280		
.760			-.1818						
.775				-.0230	.0573				
.798		-.2555							
.808			-.1844						
.834	-.2038								
.839		-.1712							
.850				-.2287	-.2130	-.2268			
.857			-.3252						
.862								-.2903	
.865	-.1904								
.879		-.3173							
.900	-.3407			-.3917			-.2671		
.905			-.4523						
.919		-.4520							
.950				-.5173	-.4038	-.3836			
.953			-.5369						
.955		-.4995							
.965	-.3812								
1.000			-.3057		-.4459		-.4248		

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(4) = .088 BETA(4) = 4.105

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.865	-.2124							
.879		-.2845						
.900	-.2464		-.4030	-.3947			-.3162	
.905								
.919		-.3263						
.950				-.4987	-.4220	-.4292		
.953			-.4040					
.955		-.3114						
.965	-.2665							
1.000		-.1924		-.4134		-.2877		

ALPHA(4) = .092 BETA(5) = 6.164

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.3701	-.1380	.2628	.5656	.4721	.4439	.4369	-.0115
.010	-.3368	-.1241	.3143	.1817	-.0528	-.1223	-.0619	
.020	-.2847	-.0666	.3236	.1271	-.0239	-.1043	-.1657	.0145
.040		-.0382	.2666					
.050	-.2156			.0899	-.0353	-.0552	-.0654	
.069								.0003
.080				.0997				
.081			.1811					
.086		.0787						
.094	-.2466							
.150				.1144	.0907	.0826	.1181	
.157								-.0096
.163		.1729						
.177			.1584					
.229	-.0762							
.246		.1605						
.250				.1398	.1212	.1289	.1354	
.274			.1689					
.345								-.0638
.362	.0000							
.390		.2001						
.400				.1436	.1888		.1113	
.402			.1721					
.418								-.3962
.497	.1793							
.503								-.1218
.550				.0889	.1118			

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(4) = .092 BETA(5) = 6.164

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.0745						
.600							-.0682		
.637		.0688							
.650						-.0679			
.670								-.1773	
.700	.0270				-.1502				
.725				-.2125					
.730									-.7628
.750						-.1079	-.1085		
.760			-.1406						
.775				-.0946	-.0577				
.798		-.1170							
.808			-.1393						
.834	-.2056								
.839		-.1677							
.850				-.2571	-.2738	-.3061			
.857			-.2735						
.862								-.3513	
.865	-.2156								
.879		-.2582							
.900	-.2335			-.3423			-.3438		
.905			-.3446						
.919		-.2949							
.950				-.3843	-.4063	-.4528			
.953			-.3401						
.955		-.2864							
.965	-.2581								
1.000			-.2162		-.3746		-.2826		

ALPHA(5) = 1.116 BETA(1) = -6.171

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0027	-.0832	.4111	.7496	.7199	.7164	.7076	.1493	
.010	-.0104	.0624	.3208	.1511	.0575	.1520	.2903		
.020	-.0477	.0272	.2353	.0910	.0839	.1336	.1614	.1965	
.040		.0150	.0188						
.050	.1059			.0764	.0746	.1589	.2090		
.069								.1626	
.080				.1044					
.081			.0771						
.086		-.0199							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(5) = 1.116 BETA(1) = -6.171

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000								

X/CW
1.000

-.3314

-.3613

-.5324

ALPHA(5) = 1.120 BETA(2) = -2.081

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000								

X/CW

.000	-.1017	-.0927	.3603	.6737	.6429	.6091	.6318	.0866
.010	-.0982	-.0666	.3329	.1386	.0183	-.0175	.1843	
.020	-.1110	-.0879	.2804	.0990	.0310	-.0577	.0743	.1345
.040		-.0872	.1501					
.050	-.0537			.0889	-.0236	.0047	.1434	
.069								.1120
.080				.0771				
.081			.0541					
.086		.0089						
.094	-.1310							
.150				.1294	.1321	.3022	.2125	
.157								.1025
.163		.1685						
.177			.1853					
.229	-.0884							
.246		.0834						
.250				.2199	.3100	.3009	.2071	
.274			.2215					
.345								.0552
.362	.0000							
.390		.2583						
.400				.3672	.3590		.2157	
.402			.3405					
.418								-.3438
.497	.2289							
.503								-.0091
.550			.3415	.3225	.2443			
.565								
.600							.0408	
.637		.3441						
.650						.0581		
.670								-.0608
.700	.3733			-.0153				
.725			-.0326					
.730								-.7427
.750					.0169	.0032		

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(5) = 1.120 BETA(2) = -2.081

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.760			-.1392						
	.775				.0391	.1061				
	.798		-.2211							
	.808			-.1200						
	.834	-.2576								
	.839		-.1773							
	.850				-.1818	-.1810	-.1929			
	.857			-.3089						
	.862								-.2642	
	.865	-.1744								
	.879		-.2825							
	.900	-.3263			-.3508			-.2352		
	.905			-.4443						
	.919		-.4225							
	.950				-.4824	-.3800	-.3492			
	.953			-.5089						
	.955		-.5122							
	.965	-.4336								
	1.000			-.3857		-.4101		-.5047		

ALPHA(5) = 1.132 BETA(3) = 2.044

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.000	-.2322	-.1409	.3419	.5875	.5450	.5268	.5145	.0140	
	.010	-.2169	-.1250	.3615	.1955	.0381	-.0034	.0398		
	.020	-.2138	-.0982	.3323	.1278	.0426	-.0292	-.0619	.0642	
	.040		-.0739	.2320						
	.050	-.0755			.0938	.0015	-.0034	.0322		
	.069								.0502	
	.080				.0976					
	.081			.1404						
	.086		.0930							
	.094	-.2009								
	.150				.1189	.0932	.0799	.2437		
	.157								.0382	
	.163		.1858							
	.177			.1484						
	.229	-.1307								
	.246		.1474							
	.250				.1434	.1438	.2756	.1733		
	.274			.1705						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(5) = 1.132 BETA(3) = 2.044

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.0089	
.362	.0000								
.390		.1982							
.400				.2190	.2946		.1587		
.402			.2019						
.418									-.4388
.497	.1761								
.503								-.0718	
.550				.2070	.1726				
.565			.1779						
.600							-.0171		
.637		.1579							
.650						-.0110			
.670								-.1246	
.700	.1557				-.0914				
.725				-.1322					
.730									-.7784
.750						-.0559	-.0562		
.760			-.2486						
.775				-.0864	.0109				
.798		-.2762							
.808			-.2009						
.834	-.1965								
.839		-.1487							
.850				-.2716	-.2535	-.2595			
.857			-.3028						
.862								-.3015	
.865	-.2006								
.879		-.3112							
.900	-.2849			-.4153			-.2896		
.905			-.4351						
.919		-.4102							
.950				-.5245	-.4260	-.4160			
.953			-.5065						
.955		-.3851							
.965	-.2975								
1.000			-.2342		-.4457		-.4168		

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(5) = 1.141 BETA(4) = 6.158

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3602	-.1634	.2548	.5570	.4915	.4674	.4515	-.0591	
.010	-.3117	-.1634	.3514	.2618	.0509	.0274	.0868		
.020	-.2485	-.0906	.3418	.1777	.0602	.0119	.0003	-.0012	
.040		-.0575	.2776						
.050	-.2328			.1379	.0232	.0303	.0604		
.069				.1318				-.0082	
.080									
.081			.1961						
.086		.0945							
.094	-.2240								
.150				.1379	.1160	.1095	.1358		
.157								-.0251	
.163		.1819							
.177			.1737						
.229	-.0340								
.246		.1748							
.250				.1586	.1392	.1649	.1343		
.274			.1807						
.345								-.0693	
.362	.0000								
.390		.2072							
.400				.1621	.2015		.1057		
.402			.1804						
.418								-.5185	
.497	.1917								
.503								-.1230	
.550				.0898	.0984				
.565			.0736						
.600							-.0750		
.637		.0716							
.650						-.0786			
.670								-.1862	
.700	.0383				-.1621				
.725				-.2147					
.730								-.8178	
.750						-.1210	-.1144		
.760			-.1481						
.775				-.0943	-.0651				
.798		-.1122							
.808			-.1404						
.834	-.2006								
.839		-.1696							
.850				-.2504	-.2788	-.3120			
.857			-.2658						
.862								-.3699	

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(5) = 1.141 BETA(4) = 6.158

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.865	-.2112								
.879		-.2563							
.900	-.2237			-.3299			-.3517		
.905			-.3376						
.919		-.2963							
.950				-.3965	-.3956	-.4607			
.953			-.3479						
.955		-.2941							
.965	-.2567								
1.000			-.2001		-.3485		-.3155		

ALPHA(6) = 3.217 BETA(1) = -6.163

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.000	.0091	-.0090	.4073	.7609	.7553	.7487	.7065	.0794	
.010	.0088	.0239	.3913	.3312	.3174	.4413	.5028		
.020	-.0247	.0065	.3558	.2178	.2980	.3579	.3831	.1790	
.040		.0085	.2688						
.050	.1172			.2108	.2589	.3230	.3546		
.069				.2248				.1764	
.080									
.081			.2381						
.086		.0866							
.094	-.0662								
.150				.2972	.3552	.3711	.3159		
.157								.1536	
.163		.0717							
.177			.2730						
.229	.0475								
.246		.2457							
.250				.3871	.3927	.3679	.2836		
.274			.3635					.1032	
.345									
.362	.0000								
.390		.3902							
.400				.4445	.4055		.2592		
.402			.4661						
.418								-.4411	
.497	.3472								
.503								.0375	
.550				.3715	.2849				

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT

(RETL11)

ALPHA(6) = 3.217 BETA(1) = -6.163

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.4271						
.600							.0788		
.637		.4549							
.650						.0992			
.670								-.0085	
.700	.5350				.0191				
.725				.0124					
.730									-.7659
.750						.0582	.0639		
.760			-.0897						
.775				.0972	.1494				
.798		-.1891							
.808			-.0574						
.834	-.2268								
.839		-.1408							
.850				-.1376	-.1377	-.1578			
.857			-.2716						
.862								-.2140	
.865	-.1535								
.879		-.2380							
.900	-.2831			-.3137			-.1987		
.905			-.4085						
.919		-.3865							
.950				-.4599	-.3689	-.3178			
.953			-.4721						
.955		-.4911							
.965	-.4145								
1.000			-.3020		-.3334		-.5660		

ALPHA(6) = 3.218 BETA(2) = -4.114

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0394	-.0772	.3782	.7229	.7102	.7080	.6668	.0380	
.010	-.0326	-.0474	.3849	.3123	.2657	.3739	.4605		
.020	-.0567	-.0484	.3625	.1961	.2491	.2984	.3417	.1371	
.040		-.0474	.2192						
.050	.0489			.1843	.2052	.2728	.3192		
.069								.1406	
.080				.1958					
.081			.2301						
.086		-.0102							

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TABLE A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(REYL11)

ALPHA0(6) = 3.218 BETA0 (2) = -4.114

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	-.1001					
.150			.2504	.3115	.3390	.2880
.157						.1216
.163		.1362				
.177			.2378			
.223	.0036					
.246		.2355				
.250			.3399	.3554	.3463	.2576
.274			.3134			
.345						.0733
.362	.0000					
.390		.3424				
.400			.4079	.3843		.2405
.402			.4148			
.418						-.4779
.497	.3002					
.503						.0120
.550			.3479	.2671		
.565		.3898				
.600						.0587
.637		.4118				
.650					.0793	
.670						-.0375
.700	.4716			.0021		
.725			-.0890			
.730						-.7816
.750					.0351	.0441
.760		-.1163				
.775			.0729	.1310		
.798	-.2012					
.808		-.0877				
.834	-.2587					
.839		-.1657				
.850			-.1562	-.1588	-.1757	
.857			-.2959			
.862						-.2371
.865	-.1482					
.879		-.2682				
.900	-.2924		-.3282			-.2190
.905		-.4364				
.919		-.3988				
.950			-.4685	-.3851	-.3339	
.953		-.4958				
.955		-.4918				
.965	-.4087					

ARC11-019 IAB1 LVAP(ELML SEALED) LEFT WING BOT.

(RETL11)

ALPHA(6) = 3.218 BETA(2) = -4.114

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000								

X/CW

1.000

-.2988

-.3804

-.5620

ALPHA(6) = 3.223 BETA(3) = -.012

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									

X/CW

.000

-.1693

-.1986

.3421

.6331

.6149

.6002

.5859

-.0467

.010

-.1202

-.1583

.4023

.3444

.2352

.2731

.3811

.020

-.0759

-.0937

.3921

.2359

.2046

.2154

.2776

.0567

.040

-.0492

.2906

.050

-.0528

.1927

.1378

.1834

.2693

.069

.1829

.0726

.080

.081

.2094

.086

.0548

.094

-.0743

.150

.1892

.2049

.2668

.2468

.157

.0612

.163

.2327

.177

.2055

.229

-.0893

.246

.1823

.250

.2324

.2790

.3045

.2137

.274

.2318

.345

.0212

.362

.0000

.390

.2597

.400

.3072

.3339

.1991

.402

.2919

.418

-.5646

.497

.2369

-.0356

.503

.550

.2602

.2669

.2157

.565

.0193

.600

.637

.2574

.650

.0324

-.0866

.670

.700

.2846

-.0458

.725

-.0766

-.9142

.730

-.0155

-.0054

.750

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(6) = 3.223 BETA(3) = -.012

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.760				-.1990						
.775					-.0262	.0696				
.798			-.2536							
.808				-.1638						
.834	-.1657									
.839			-.1613							
.850					-.2266	-.2151	-.2200			
.857				-.3033						
.862									-.2868	
.865	-.1685									
.879			-.2962							
.900	-.3087				-.3863			-.2626		
.905				-.4319						
.919			-.4234							
.950					-.5125	-.4110	-.3832			
.953				-.5142						
.955			-.4599							
.965	-.3484									
1.000			-.2534		-.4319		-.5753			

ALPHA(6) = 3.229 BETA(4) = 4.104

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.3160	-.2257	.2572	.5587	.5290	.5782	.5168	-.1309		
.010	-.2674	-.2037	.3345	.3324	.2404	.3639	.3618			
.020	-.1999	-.1001	.3418	.2343	.2153	.2923	.2691	-.0189		
.040		-.0436	.2640							
.050	-.1267			.1889	.1553	.2432	.2525			
.069								.0077		
.080				.1715						
.081			.1952							
.086		.1284								
.094	-.2102									
.150				.1788	.2471	.2253	.2188			
.157								.0042		
.163		.2152								
.177			.1929							
.229	-.0607									
.246		.1825								
.250			.2019	.2414	.2428	.1727				
.274			.2093							

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ARC11-019 IAB1 LVAP(ELML SEALED) LEFT WING BOT.

(RETL11)

ALPHA(8) = 3.229 BETA(4) = 4.104

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.0326	
.362	.0000								
.390		.2386							
.400				.2242	.2576		.1449		
.402			.2256						
.418								-.6368	
.497	.2076								
.503								-.0833	
.550				.1499	.1324				
.565			.1266						
.600							-.0322		
.637		.1158							
.650						-.0360			
.670								-.1363	
.700	.1204				-.1217				
.725				-.1740					
.730								-.8392	
.750						-.0821	-.0586		
.760			-.2044						
.775				-.1187	-.0184				
.798		-.0988							
.808			-.1231						
.834	-.1849								
.839		-.1495							
.850				-.2457	-.2649	-.2741			
.857			-.2675						
.862								-.3286	
.865	-.1880								
.879		-.2457							
.900	-.2190			-.3665			-.3139		
.905			-.3594						
.919		-.2795							
.950				-.4428	-.4148	-.4315			
.953			-.3088						
.955		-.2533							
.965	-.2363								
1.000			-.1769		-.2579		-.4827		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(6) = 3.228 BETA(5) = 6.167

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CH

.000	-.4034	-.2247	.2064	.5376	.5193	.4936	.4653	-.1754
.010	-.3479	-.2486	.3058	.3275	.2126	.2734	.3030	
.020	-.2711	-.1213	.3362	.2415	.1951	.2188	.2151	-.0617
.040		-.0748	.2889					
.050	-.2147			.1999	.1385	.1668	.2145	
.069								-.0316
.080				.1847				
.081			.2265					
.086		.1128						
.094	-.2131							
.150				.1901	.1843	.1959	.1929	
.157								-.0326
.163		.2007						
.177			.2038					
.229	-.0279							
.246		.1966						
.250				.1996	.1862	.2098	.1480	
.274			.2082					
.345								-.0652
.362	.0000							
.390		.2283						
.400				.1847	.2138		.1160	
.402			.2031					
.418								-.6744
.497	.2034							
.503								-.1173
.550				.0936	.0914			
.565			.0902					
.600							-.0521	
.637		.0816						
.650					-.0698			
.670								-.1709
.700	.0492			-.1564				
.725			-.2057					
.730								-.8510
.750					-.1111	-.0913		
.760		-.1133						
.775			-.0714	-.0507				
.798		-.0994						
.808			-.1223					
.834	-.1959							
.839		-.1526						
.850			-.2082	-.2506	-.2971			
.857			-.2279					
.862								-.3564

ORIGINAL PAGE IS
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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(6) = 3.228 BETA(5) = 6.167

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2002								
.879		-.2258							
.900	-.2118			-.3043				-.3414	
.905			-.3120						
.919		-.2752							
.950				-.3711	-.3480	-.4437			
.953			-.3277						
.955		-.2746							
.965	-.2415								
1.000			-.1684		-.2404		-.4197		

ALPHA(7) = 5.320 BETA(1) = -4.097

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0553	-.1173	.4161	.6777	.7156	.7103	.6333	-.0611	
.010	-.0293	-.0768	.4845	.4775	.4486	.5482	.5871		
.020	-.0140	-.0516	.4644	.3614	.3978	.4453	.4824	.0954	
.040		-.0458	.3522						
.050	.0700			.2875	.3178	.3792	.4155		
.069								.1340	
.080				.2577					
.081			.2530						
.086		.1655							
.094	-.0902								
.150				.2853	.3470	.3813	.3410		
.157								.1299	
.163		.3114							
.177			.2530						
.229	.0132								
.246		.2233							
.250				.3370	.3600	.3654	.2908		
.274			.3013						
.345								.0846	
.362	.0000								
.390		.3350							
.400				.3861	.3845		.2588		
.402			.3952						
.418								-.5890	
.497	.2890								
.503								.0254	
.550				.3268	.2655				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA0(7) = 5.320 BETA0 (1) = -4.097

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565			.3603						
.600							.0748		
.637		.3858							
.650						.0838			
.670								-.0202	
.700	.4471				.0031				
.725				-.0126					
.730									-.8071
.750						.0569	.0558		
.760			-.1266						
.775				.0617	.1332				
.798		-.2128							
.808			-.0930						
.834	-.1768								
.839		-.1292							
.850				-.1593	-.1463	-.1641			
.857			-.2938						
.862								-.2240	
.865	-.1583								
.879		-.2349							
.900	-.2811			-.3351			-.2074		
.905			-.4187						
.919		-.3794							
.950				-.4624	-.3812	-.3426			
.953			-.4744						
.955		-.4523							
.965	-.3686								
1.000			-.2147		-.3185		-.5845		

ALPHA0(7) = 5.323 BETA0 (2) = -2.054

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1324	-.1986	.3568	.6632	.6667	.6570	.5980	-.1091	
.010	-.0907	-.1473	.4551	.4679	.4112	.5072	.5563		
.020	-.0519	-.0977	.4557	.3503	.3635	.4055	.4526	.0564	
.040		-.0809	.3553						
.050	.0128			.2824	.2809	.3440	.3933		
.069								.1016	
.080				.2447					
.081			.2502						
.086		.1128							

IA81A - PRESSURE SOURCE DATA TABULATION

ARG11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

ALPHA0(7) = 5.323 BETA0(2) = -2.054

DEPENDENT VARIABLE CP

X/CW.

.094	-.0782					
.150			.2577	.3066	.3563	.3229
.157						.1029
.163	.2979					
.177		.2409				
.229	-.0341					
.246	.2073					
.250			.3014	.3285	.3462	.2748
.274		.2751				
.345						.0592
.362	.0000					
.390	.2995					
.400			.3477	.3634		.2412
.402		.3467				
.418						
.497	.2582					-.6293
.503						.0035
.550			.2998	.2449		
.565		.3151				
.600						.0586
.637	.3248					
.650					.0655	
.670						-.0433
.700	.3655			-.0176		
.725			-.0354			
.730						-.8259
.750					.0370	.0381
.760		-.1493				
.775			.0357	.1089		
.798	-.2400					
.808		-.1180				
.834	-.1831					
.839	-.1542					
.850			-.1849	-.1745	-.1857	
.857		-.3017				
.862						+.2496
.865	-.1552					
.879	-.2666					
.900	-.2873		-.3570			-.2272
.905		-.4260				
.919	-.3933					
.950			-.4899	-.4052	-.3588	
.953		-.4835				
.955	-.4458					
.965	-.3550					

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(7) = 5.323 BETA(2) = -2.054

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			-.2100		-.3336		-.5605		

ALPHA(7) = 5.325 BETA(3) = .002

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1734	-.2776	.2835	.6086	.6188	.6103	.5566	-.1600	
.010	-.1097	-.2166	.4083	.4597	.3911	.4698	.5300		
.020	-.0596	-.1029	.4233	.3493	.3441	.3753	.4304	.0084	
.040		-.0632	.3417						
.050	-.0502			.2744	.2587	.3034	.3698		
.069								.0559	
.080				.2388					
.081			.2492						
.086		.1270							
.094	-.0762								
.150				.2334	.2749	.3242	.2985		
.157								.0648	
.163		.2645							
.177			.2300						
.229	-.0324								
.246		.2068							
.250				.2617	.2879	.3235	.2475		
.274			.2492					.0255	
.345									
.362	.0000								
.390		.2695							
.400				.2957	.3306		.2148		
.402			.2870						
.418									-.6585
.497	.2408								
.503								-.0268	
.550				.2452	.2098				
.565			.2354						
.600							.0318		
.637		.2480							
.650						.0406			
.670								-.0769	
.700	.2715			-.0871	-.0464				
.725									-.8378
.730						.0086	.0103		
.750									

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(7) = 5.325 BETA(3) = .002

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.2183						
.775				-.0325	.0687				
.798		-.2392							
.808			-.1527						
.834	-.1519								
.839		-.1204							
.850				-.2214	-.2069	-.2084			
.857			-.2676						
.862								-.2766	
.865	-.1644								
.879		-.2715							
.900	-.2687			-.3773			-.2539		
.905			-.3985						
.919		-.3884							
.950				-.4970	-.4029	-.3828			
.953			-.4820						
.955		-.3329							
.965	-.2601								
1.000			-.1959	-.3058		-.5749			

ALPHA(7) = 5.323 BETA(4) = 2.067

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2455	-.3288	.2503	.5713	.5727	.5696	.5193	-.1998	
.010	-.1644	-.2491	.3681	.4422	.3740	.4352	.4799		
.020	-.1050	-.0971	.3895	.3357	.3275	.3468	.3888	-.0333	
.040		-.0519	.3141						
.050	-.0956			.2602	.2446	.2717	.3362		
.069								.0168	
.080				.2241					
.081			.2306						
.086		.1538							
.094	-.0912								
.150				.2196	.2446	.2770	.2721		
.157								.0304	
.163		.2345							
.177			.2182						
.229	-.0631								
.246		.1952							
.250				.2326	.2436	.2875	.2189		
.274			.2281						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA(7) = 5.323 BETA(4) = 2.067

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.0045	
.362	.0000								
.390		.2472							
.400				.2421	.2890		.1836		
.402			.2549						
.418									-.6828
.497	.2200								
.503								-.0460	
.550				.1746	.1811				
.565			.1706						
.600							.0015		
.637		.1696							
.650						.0027			
.670								-.0839	
.700	.1797				-.0871				
.725				-.1408					
.730									-.8435
.750						-.0300	-.0197		
.760			-.2633						
.775				-.0945	.0247				
.798		-.2533							
.808			-.1728						
.834	-.1819								
.839		-.1266							
.850				-.2547	-.2321	-.2352			
.857			-.2684						
.862								-.2837	
.865	-.1854								
.879		-.2599							
.900	-.2383			-.3949			-.2642		
.905			-.3883						
.919		-.2815							
.950				-.4794	-.4107	-.4049			
.953			-.2003						
.955		-.1754							
.965	-.2207								
1.000			-.2060		-.2470		-.4678		

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL11)

ALPHA0(7) = 5.325 BETA0 (5) = 4.125

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3250	-.3016	.1983	.5085	.5521	.5601	.4912	-.2424	
.010	-.2334	-.2425	.3076	.4115	.3816	.4787	.4884		
.020	-.1463	-.1055	.3361	.3185	.3419	.3982	.3930	-.0726	
.040		-.0619	.2747						
.050	-.1454			.2556	.2688	.3167	.3349		
.069				.2290				-.0171	
.080									
.081			.2174						
.086		.1305							
.094	-.1372								
.150				.2223	.2730	.2761	.2591		
.157								.0029	
.163		.2145							
.177			.2158						
.229	-.0576								
.246		.1892							
.250				.2337	.2513	.2675	.1968		
.274			.2238						
.345								-.0301	
.362	.0000								
.390		.2443							
.400				.2194	.2486		.1565		
.402			.2279						
.418								-.7046	
.497	.2183								
.503								-.0806	
.550				.1290	.1198				
.565			.1197						
.600								-.0254	
.650		.1106							
.670						-.0295			
.700	.1161				-.1286			-.1304	
.725				-.1809					
.730									-.8593
.750						-.0647	-.0492		
.760			-.1834						
.775				-.1152	-.0236				
.798		-.0836							
.808			-.1117						
.834	-.1803								
.839		-.1413							
.850			-.2215	-.2532	-.2604				
.857			-.2374						
.862								-.3201	

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAPIELHL SEALED LEFT WING BOT.

(RETL11)

ALPHA(7) = 5.325 BETA(5) = 4.125

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CH									
.865	-.1907								
.879		-.2193							
.900	-.1982				-.3232			-.3062	
.905				-.2838					
.919		-.2421							
.950					-.2622	-.3969	-.4213		
.953				-.2410					
.955		-.2275							
.965	-.2225								
1.000			-.1661			-.1727		-.5261	

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.400 RN/FT = 2.250
 ELV-18 = 8.000 ELV-08 = .000
 RUDDER = .000 SPOBRK = .000

ALPHA0 (1) = -6.305 BETA0 (1) = -4.079

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0436	-.0411	.2688	.5919	.5196	.4827	.4894	-.4202	
.010	.0534	-.1057	-.0273	-.2459	-.4152	-.3041	-.3087		
.020	.0150	-.1686	-.0289	-.3841	-.4597	-.4808	-.4935	-.4781	
.040		-.1752	-.0173						
.050	-.0952			-.4059	-.4874	-.5192	-.5317		
.069								-.4673	
.080				-.3693					
.081			-.1790						
.086		-.0211							
.094	.0010								
.150				-.3365	-.4305	-.4541	-.4656		
.157								-.4372	
.163		.0449							
.177			-.1033						
.229	-.1348								
.246		-.1044							
.250				-.2100	-.4084	-.4420	-.4397		
.274			-.2150						
.345								-.3377	
.362	.0000								
.390		-.0908							
.400				.1585	.0497		-.2230		
.402			.1435						
.418								-.2913	
.497	-.0701								
.503								-.3296	
.550				.2777	.2502				
.565			.2580						
.600							-.2522		
.637		.2798							
.650						.1467			
.670							-.5258		
.700	.2487				.0890				
.725			.0615						
.730								-.1980	
.750						.0949	-.1312		
.760			-.0607						
.775				.1337	.1047				

IABIA - PRESSURE SOURCE DATA TABULATION

E

{RETL12}

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

X/CW						
.798		-.1347				
.808			-.0497			
.834	-.2071					
.839		-.0618				
.850				-.0898	-.1122	-.1347
.857			-.2043			
.862						
.865	-.1302					-.2972
.879		-.1794				
.900	-.2312			-.2334		-.1204
.905			-.3185			
.919		-.2992				
.950				-.3519	-.2645	-.2494
.953			-.3782			
.955		-.3847				
.965	-.3644					
1.000		-.3992		-.2744		-.3290

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

X/CW									
.000	.0018	-.0565	.1975	.5116	.4494	.4124	.4253	-.4313	
.010	.0105	-.1031	-.0968	-.3129	-.4444	-.3395	-.3393		
.020	-.0229	-.0788	-.1579	-.4410	-.4869	-.5086	-.5125	-.4251	
.040		-.0455	-.0934						
.050	-.1193			-.4593	-.5138	-.5469	-.5450		
.069									-.3701
.080				-.4256					
.081			-.1963						
.086		-.0791							
.094	-.0533								
.150				-.3736	-.4593	-.4668	-.4869		
.157									-.3315
.163		-.0109							
.177			-.1601						
.229	-.0372								
.246		-.0539							
.250				-.2347	-.4081	-.4760	-.4477		
.274			-.1376						
.345									-.2743
.362	.0000								

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(1) = -6.288 BETA(2) = -2.026

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.390		-.0915								
.400				.1212	.0092		-.2595			
.402			.1268							
.418									-.2061	
.497	-.0855									
.503								-.2774		
.550				.2180	.2334					
.565			.1976							
.600							-.1801			
.637		.2275								
.650						.1209				
.670								-.3451		
.700	.2078				.0597					
.725				.0187						
.730									-.2024	
.750						.0838	-.1216			
.760			-.0918							
.775				.0815	.0655					
.798		-.1709								
.808			-.0734							
.834	-.1935									
.839		-.0888								
.850				-.1274	-.1305	-.1432				
.857			-.2206							
.862								-.3025		
.865	-.1466									
.879		-.1907								
.900	-.2409			-.2647			-.1869			
.905			-.3338							
.919		-.3333								
.950				-.3713	-.2909	-.2552				
.953			-.4033							
.955		-.4096								
.965	-.3664									
1.000			-.4083		-.2906		-.3126			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(1) = -8.273 BETA(3) = .028

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.0451	-.0910	.1384	.4424	.3738	.3421	.3628	-.2905
.010	-.0504	-.1315	-.1513	-.3435	-.4782	-.3710	-.3694	
.020	-.0717	-.1007	-.2151	-.4609	-.5234	-.5280	-.5027	-.2741
.040		-.0765	-.1659					
.050	-.1605			-.4412	-.5392	-.4895	-.4554	
.069				-.4200				-.2507
.080								
.081			-.2021					
.086		-.1205						
.094	-.0811							
.150				-.2047	-.4999	-.4597	-.4489	
.157								-.2232
.163		-.0428						
.177			-.1827					
.229	-.1067							
.246		-.0708						
.250				-.0589	-.2044	-.4075	-.3782	
.274			-.0821					
.345								-.2133
.362	.0000							
.390		.0199						
.400				.0889	.0135		-.3038	
.402			.0968					
.418								-.1622
.497	-.0501							
.503								-.2420
.550				.1620	.2082			
.565			.1292					
.600							-.2769	
.637		.1449						
.650						.0932		
.670								-.3680
.700	.1326				.0274			
.725				-.0097				
.730								-.2088
.750						.0322	-.0645	
.760			-.1307					
.775				.0486	.0493			
.798		-.2121						
.808			-.1011					
.834	-.2195							
.839		-.1122						
.850				-.1642	-.1494	-.1737		
.857			-.2407					
.862								-.3702

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA0(1) = -6.273 BETA0 (3) = .028

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.1869								
.879		-.2242							
.900	-.2918			-.2973				-.1683	
.905			-.3438						
.919		-.3621							
.950				-.3986	-.3096	-.2757			
.953			-.4255						
.955		-.4337							
.965	-.3404								
1.000			-.4140		-.3290		-.2939		

ALPHA0(1) = -6.241 BETA0 (4) = 2.117

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1009	-.1248	.1219	.3802	.3130	.2763	.3066	-.2141	
.010	-.1070	-.1481	-.0742	-.3914	-.5030	-.4009	-.3887		
.020	-.1155	-.1267	-.0948	-.4990	-.5439	-.4009	-.3544	-.2104	
.040		-.1135	-.1991						
.050	-.1913			-.4492	-.4807	-.3950	-.3501		
.069								-.2008	
.080				-.4511					
.081			-.2222						
.086		-.1490							
.094	-.1031								
.150				-.2310	-.4417	-.4169	-.3541		
.157								-.1860	
.163		-.1101							
.177			-.1160						
.229	-.1426								
.246		-.0764							
.250				.0748	-.2674	-.3989	-.3558		
.274			-.0007						
.345								-.1789	
.362	.0000								
.390		.0469							
.400				.0634	.0347		-.3237		
.402			.0905						
.418								-.1476	
.497	-.0178								
.503								-.2076	
.550				.0349	.0489				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(1) = -6.241 BETA(4) = 2.117

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.0560						
.620							-.3326		
.637		.0746							
.650						.0729			
.670								-.3403	
.700	.0408				-.0058				
.725				-.0606					
.730									-.2133
.750						-.0053	-.0536		
.760			-.1892						
.775				-.0152	.0171				
.798		-.2521							
.808			-.1325						
.834	-.2509								
.839		-.1224							
.850				-.1990	-.1806	-.2008			
.857			-.2262						
.862								-.4046	
.865	-.2226								
.879		-.2450							
.900	-.2604			-.3188			-.1879		
.905			-.3511						
.919		-.3361							
.950				-.4070	-.3153	-.2966			
.953			-.4312						
.955		-.3592							
.965	-.2952								
1.000			-.3686		-.3666		-.2425		

ALPHA(1) = -6.229 BETA(5) = 4.174

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1621	-.1571	.1073	.3281	.2517	.2374	.2701	-.2142	
.010	-.1635	-.1514	-.0919	-.4194	-.4836	-.3551	-.3799		
.020	-.1686	-.1373	-.1323	-.4484	-.4412	-.3061	-.3392	-.2133	
.040		-.1313	-.2407						
.050	-.2225			-.4231	-.4249	-.3073	-.3349		
.069								-.2093	
.080				-.3734					
.081			-.1090						
.086		-.1247							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA0(1) = -8.229 BETA0(5) = 4.174

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2500 .3640 .4270 .5340 .6750 .7800 .8870 .9720 1.0000

X/CW

1.000

-.2780

-.3838

-.1825

ALPHA0(2) = -4.192 BETA0(1) = -6.158

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870 .9720 1.0000

X/CW

.000

.0836

-.0163

.3227

.6623

.6132

.5833

.5987

-.3158

.010

.0849

-.0600

.0781

-.1709

-.3084

-.2321

-.1367

.020

.0465

-.1213

.0373

-.3068

-.3654

-.4016

-.4085

-.4233

.040

-.0942

.0572

-.3229

-.3985

-.4331

-.4419

-.3736

.050

-.0669

-.2867

.069

.080

.081

.085

.094

.150

.157

.163

.177

.229

.246

.250

.274

.345

.362

.390

.400

.402

.418

.497

.503

.550

.565

.600

.637

.650

.670

.700

.725

.730

.750

.0016

-.1193

.0245

-.1947

-.3267

-.3699

-.3712

-.3729

.1330

-.0522

-.1434

-.0047

-.1684

-.2843

-.3209

-.3686

-.2020

-.2806

.0000

-.0473

.2493

.2225

-.0017

.2235

-.1852

-.0172

.3778

.3334

-.2713

.3959

-.0406

.4137

.2030

-.1231

.4246

.0992

.1330

.1233

-.0026

-.1565

ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(2) = -4.192 BETA(1) = -6.158

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.0142						
.775				.1782	.1886				
.798		-.0995							
.808			.0207						
.834	-.1754								
.839		-.0640							
.850				-.0295	-.0711	-.1018			
.857			-.1655						
.862								-.1549	
.865	-.1276								
.879		-.1448							
.900	-.1970			-.1905				-.1126	
.905			-.2961						
.919		-.2689							
.950				-.3252	-.2694	-.2198			
.953			-.3591						
.955		-.3646							
.965	-.3413								
1.000			-.3841		-.2747		-.3337		

ALPHA(2) = -4.180 BETA(2) = -4.103

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0385	-.0474	.2946	.6099	.5524	.5337	.5421	-.3528	
.010	.0441	-.0871	.1380	-.2151	-.3462	-.2600	-.2328		
.020	.0106	-.1475	.1349	-.3516	-.3961	-.4267	-.4354	-.4162	
.040		-.1104	-.0250						
.050	-.0941			-.3662	-.4280	-.4576	-.4670		
.069								-.3908	
.080				-.3327					
.081			-.1633						
.086		-.0257							
.094	-.0117								
.150				-.2625	-.3579	-.3905	-.4054		
.157								-.3689	
.163		.0515							
.177			-.0837						
.229	-.0999								
.246		-.0751							
.250			-.2083	-.3251	-.3505	-.3717			
.274			-.1702						

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELWL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(2) = -4.180 BETA(2) = -4.103

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BH	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.345								-.2910	
.362	.0000								
.390		-.0896							
.400				.2231	.2185		-.0323		
.402			.1977						
.418								-.1735	
.497	-.0683								
.503								-.2758	
.550				.3404	.3102				
.565			.3373						
.600							-.0647		
.637		.3502							
.650						.1723			
.670								-.1188	
.700	.3259				.1061				
.725				.0693					
.730								-.1717	
.750						.0949	.0249		
.760			-.0403						
.775				.1445	.1524				
.798		-.1190							
.808			-.0197						
.834	-.2421								
.839		-.1100							
.850				-.0625	-.0952	-.1284			
.857			-.1911						
.862								-.1933	
.865	-.1252								
.879		-.2073							
.900	-.2293			-.2113			-.1241		
.905			-.3266						
.919		-.3077							
.950				-.3415	-.2752	-.2431			
.953			-.3919						
.955		-.3905							
.965	-.3633								
1.000			-.4091		-.2678		-.3373		

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL 12)

ALPHA0(2) = -4.157 BETA0 (3) = -.002

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.0516	-.0944	.1754	.4840	.4408	.4292	.4415	-.3751
.010	-.0521	-.1212	-.0635	-.2774	-.4029	-.3067	-.2871	
.020	-.0716	-.0991	-.0913	-.4014	-.4444	-.4653	-.4704	-.3633
.040		-.0739	-.0635					
.050	-.1619			-.3986	-.4651	-.4912	-.5026	
.069								-.2969
.080				-.3603				
.081			-.1946					
.086		-.1038						
.094	-.0603							
.150				-.1787	-.4078	-.4420	-.4281	
.157								-.2459
.163		-.0229						
.177			-.1491					
.229	-.1183							
.246		-.0538						
.250				.0415	-.0435	-.1996	-.3912	
.274			-.0173					
.345								-.2570
.362	.0000							
.390		.0841						
.400				.1390	.1143		-.1643	
.402			.1678					
.418								-.1304
.497	-.0100							
.503								-.2796
.550				.2117	.2499			
.565			.1859					
.600							.1130	
.637		.1979						
.650						.1106		
.670								-.1835
.700	.1884				.0490			
.725				.0063				
.730								-.2129
.750						.0395	-.0230	
.760			-.1054					
.775				.0675	.1018			
.798		-.1883						
.808			-.0938					
.834	-.2143							
.839		-.1155						
.850				-.1386	-.1407	-.1640		
.857			-.2393					
.862								-.1758

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELML SEALED) LEFT WING BOT.

(RETL12)

ALPHA0(2) = -4.157 BETA0 (3) = -.002

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.1683								
.878		-.2194							
.900	-.2808			-.2771				-.1859	
.905			-.3488						
.919		-.3487							
.950				-.3864	-.3095	-.2769			
.953			-.4175						
.955		-.4243							
.965	-.3470								
1.000			-.4212		-.3268		-.3170		

ALPHA0(2) = -4.134 BETA0 (4) = 4.138

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1739	-.1506	.1315	.3711	.3411	.3366	.3410	-.3050	
.010	-.1666	-.1349	-.0271	-.3131	-.4153	-.3396	-.3252		
.020	-.1688	-.1280	-.0695	-.2955	-.3769	-.4106	-.4380	-.2835	
.040		-.1267	-.1874						
.050	-.2043			-.2238	-.3642	-.3853	-.3957		
.069				-.1651				-.2671	
.080									
.081			-.0349						
.086		-.0937							
.094	-.1676								
.150				.0587	-.0896	-.2866	-.3490		
.157								-.2474	
.163		-.1226							
.177			-.0318						
.229	-.1259								
.246		.0140							
.250				.0692	-.0072	-.0721	-.3029		
.274			.1079						
.345								-.2702	
.362	.0000								
.390		.1293							
.400				.0834	.0399		-.0719		
.402			.1114						
.418								-.1758	
.497	.0714								
.503								-.1986	
.550				.0352	.0093				

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(2) = -4.134 BETA(4) = 4.138

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.565			.0531							
.600							.1119			
.637		.0661								
.650						.0700				
.670								-.1043		
.700	.0295				.0022					
.725			-.1033							
.730									-.2200	
.750						-.0063	-.0503			
.760			-.2550							
.775			-.0467	.0349						
.798	-.2024									
.808		-.1372								
.834	-.2442									
.839		-.1521								
.850			-.2038	-.1908	-.2143					
.857			-.2363							
.862								-.2095		
.865	-.2265									
.879		-.2567								
.900	-.2490		-.3107				-.2258			
.905		-.3445								
.919		-.3125								
.950			-.3974	-.3291	-.3181					
.953		-.3938								
.955		-.3211								
.965	-.2671									
1.000		-.2818	-.3816			-.2548				

ALPHA(2) = -4.123 BETA(5) = 6.209

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.000	-.2455	-.1675	.0793	.3665	.3232	.2766	.2785	-.2349		
.010	-.2451	-.1467	-.0421	-.2855	-.3823	-.3668	-.3589			
.020	-.2418	-.1483	-.0406	-.2960	-.3513	-.4045	-.3775	-.2312		
.040		-.1442	-.0244							
.050	-.2269			-.2050	-.3243	-.3912	-.3701			
.069								-.2176		
.080			-.1301							
.081		-.0559								
.086		-.1067								

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA0(2) = -4.123 BETA0 (5) = 6.209

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.094	-.2037								
.150			.0817	-.0701	-.2519	-.3565			
.157								-.2130	
.163		-.0107							
.177			-.0047						
.229	-.1304								
.246		-.0109							
.250				.0545	-.0167	-.0266	-.2834		
.274			.0883						
.345								-.2676	
.362	.0000								
.390		.1154							
.400				.0672	.0320		-.0393		
.402			.1085						
.418									-.1669
.497	.0703								
.503									-.2275
.550			.0346	.0198	.0011				
.565							.1164		
.600									
.637		.0468							
.650					.0452				
.670								-.0708	
.700	-.0410				-.0753				
.725			-.2056						
.730									-.2547
.750						-.0470	-.0724		
.760			-.2693						
.775				-.1468	-.0227				
.798		-.1978							
.808			-.1663						
.834	-.2497								
.839		-.2015							
.850				-.2380	-.2255	-.2488			
.857			-.2855						
.862								-.2235	
.865	-.2454								
.879		-.2745							
.900	-.2512			-.3345			-.2602		
.905			-.3644						
.919		-.3100							
.950				-.4128	-.3328	-.3456			
.953			-.3706						
.955		-.3075							
.965	-.2641								

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL121

ALPHA(3) = -2.103 BETA(1) = -6.173

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			.0051						
.775				.1899	.2206				
.798		-.0785							
.808			.0447						
.834	-.2107								
.839		-.0751							
.850				-.0149	-.0599	-.1101			
.857			-.1554						
.862								-.1159	
.865	-.1345								
.879		-.1925							
.900	-.1998			-.1798			-.1412		
.905			-.2990						
.919		-.2767							
.950				-.3193	-.2593	-.2307			
.953			-.3747						
.955		-.3599							
.965	-.3454								
1.000			-.3869		-.2883		-.3406		

ALPHA(3) = -2.089 BETA(2) = -2.072

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0162	-.0836	.2667	.5915	.5636	.5356	.5544	-.2442	
.010	-.0020	-.0607	.1483	-.1770	-.2850	-.2259	-.1728		
.020	-.0261	-.0427	.1493	-.3053	-.3435	-.3705	-.3744	-.2396	
.040		-.0185	-.0166						
.050	-.0958			-.3032	-.3655	-.3977	-.4047		
.069								-.1853	
.080				-.2580					
.081			-.1624						
.086		-.0729							
.094	-.0568								
.150				-.1195	-.2933	-.3097	-.3156		
.157								-.1220	
.163		.0290							
.177			-.0917						
.229	-.0462								
.246		.0100							
.250			-.0564	-.0522	-.1817	-.2710			
.274			-.0247						

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ARC11-D19 1A81 LYAP6ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA0 (3) = -2.089 BETA0 (2) = -2.072

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.1226	
.362	.0000								
.390		.0889							
.400				.2594	.2812		.0274		
.402			.2615						
.418									-.0488
.497	-.0160								
.503								-.0735	
.550				.3456	.3242				
.565			.3263						
.600							.2111		
.637		.3298							
.650					.1835				
.670								-.0229	
.700	.3201				.0989				
.725				.0639					
.730									-.2955
.750						.0744	.0191		
.760			-.0353						
.775				.1338	.1657				
.798		-.1247							
.808			-.0341						
.834	-.2456								
.839		-.1133							
.850				-.0807	-.1047	-.1427			
.857			-.2046						
.862								-.1433	
.865	-.1463								
.879		-.2298							
.900	-.2306			-.2288			-.1621		
.905			-.3339						
.919		-.3114							
.950				-.3460	-.2991	-.2615			
.953			-.4003						
.955		-.3808							
.965	-.3561								
1.000			-.4028		-.2728		-.3442		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING EOT.

(RETL12)

ALPHA0(3) = -2.053 BETA0(3) = 2.068

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1312	-.1314	.2114	.4937	.4685	.4497	.4582	-.2536	
.010	-.1274	-.1148	.1051	-.2224	-.3142	-.2579	-.2100		
.020	-.1302	-.0824	.0531	-.3258	-.3377	-.3682	-.3919	-.2348	
.040		-.0799	-.0939						
.050	-.1881			-.2394	-.2724	-.3104	-.3223		
.069								-.2181	
.080				-.0936					
.081			-.0565						
.086		-.0912							
.094	-.1189								
.150				.0852	.0120	-.1027	-.2388		
.157								-.1830	
.163		-.0683							
.177			-.0117						
.229	-.1031								
.246		.0377							
.250				.1415	.0544	.0173	-.1206		
.274			.1384						
.345								.0340	
.362	.0000								
.390		.1614							
.400				.1239	.0873		.0352		
.402			.1571						
.418								-.0849	
.497	.1154								
.503								.1078	
.550				.1640	.2510				
.565			.1272						
.600							.1454		
.637		.1287							
.650						.1076			
.670								-.0570	
.700	.1212				.0286				
.725				-.0321					
.730								-.3414	
.750						.0148	-.0299		
.760			-.1562						
.775				.0244	.0904				
.798		-.2382							
.808			-.1167						
.834	-.2036								
.839		-.1080							
.850				-.1700	-.1590	-.1921			
.857			-.2443						
.862								-.2201	

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ARC11-019 IAB1 LVAP(ELM SEALED) LEFT WING BOT.

(RETL12)

ALPHA(3) = -2.053 BETA(3) = 2.068

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.1817								
.879		-.2428							
.900	-.2658			-.3009				-.2123	
.905			-.3493						
.919		-.3527							
.950				-.4027	-.3329	-.3056			
.953			-.4277						
.955		-.3891							
.965	-.2915								
1.000			-.3792		-.3706		-.3440		

ALPHA(3) = -2.034 BETA(4) = 6.180

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2787	-.1500	.1654	.4393	.4081	.3639	.3482	-.2192	
.010	-.2691	-.1442	.1406	-.1412	-.2722	-.2688	-.2506		
.020	-.2554	-.1398	.1253	-.1162	-.2232	-.3231	-.3861	-.2015	
.040		-.1266	.0553						
.050	-.1867			-.0785	-.1802	-.2706	-.3202		
.069								-.1839	
.080				.1291					
.081			.0203						
.086		-.0936							
.094	-.2323								
.150				.0302	-.0133	-.0247	-.1653		
.157								-.1716	
.163		.0898							
.177			.0681						
.229	-.1307								
.246		.0389							
.250				.0791	.0384	-.0021	-.0546		
.274			.1090						
.345								.0993	
.362	.0000								
.390		.1456							
.400				.1032	.0778		.0375		
.402			.1331						
.418								-.1330	
.497	.1003								
.503								.0631	
.550				.0556	.0503				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA0(3) = -2.034 BETA0 (4) = 6.180

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565			.0562						
.600							.0992		
.637		.0645							
.650						.0601			
.670								-.1320	
.700	-.0022				-.0370				
.725				-.1511					
.730									-.3671
.750						-.0497	-.0799		
.760			-.2401						
.775				-.0875	.0090				
.798		-.1684							
.808			-.345						
.834	-.2296								
.839		-.1705							
.850				-.2090	-.2114	-.2460			
.857			-.2548						
.879								-.2819	
.883	-.2214								
.879		-.2464							
.900	-.2338			-.3115			-.2717		
.905			-.3391						
.919		-.2905							
.950				-.3942	-.3293	-.3552			
.953			-.3569						
.955		-.2899							
.965	-.2490								
1.000		-.2220		-.3682		-.2961			

ALPHA0(4) = .003 BETA0 (1) = -6.180

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	.0721	-.0471	.4061	.7243	.7080	.6834	.6879	.0072	
.010	.1245	-.0432	.3814	-.0205	-.1477	-.0913	.0147		
.020	.0733	-.0467	.3219	-.1522	-.1750	-.2032	-.2348	.0119	
.040		.0036	.1069						
.050	-.0471			-.1250	-.1508	-.2183	-.2370		
.069								.0532	
.080				-.1154					
.081			-.0380						
.086		-.0093							

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RET 12)

ALPHA0(4) = .003 BETA0 (1) = -6.180

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	.0508					
.150			-.0554	-.1146	-.1181	-.1524
.157						.1079
.163		.1867				
.177			-.0218			
.229	-.0806					
.246		.0874				
.250			-.1027	.0177	.1737	.1532
.274			-.0112			
.345						.2060
.362	.0000					
.390		.0486				
.400			.4740	.4764		.3575
.402			.4219			
.418						-.0457
.497	.0017					
.503						.1952
.550			.4514	.3844		
.565		.4849				
.600						.2066
.637		.5051				
.650					.2166	
.670						-.0196
.700	.5465			.1465		
.725			.1251			
.730						-.4271
.750					.0993	.0279
.760		.0297				
.775			.2125	.2453		
.798	-.0594					
.808		.0590				
.834	-.2258					
.839		-.0733				
.850			-.0015	-.0559	-.1138	
.857			-.1455			
.862						-.1659
.865	-.1647					
.879		-.2105				
.900	-.2165		-.1694			-.1583
.905		-.2978				
.919		-.2768				
.950			-.3105	-.2533	-.2324	
.953		-.3907				
.955		-.3728				
.965	-.3453					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA0(4) = .003 BETA0 (1) = -6.180

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000								

X/CW

1.000

-.3951

-.3206

-.3543

ALPHA0(4) = .006 BETA0 (2) = -4.126

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									

X/CW

.000

.0239

-.0783

.3632

.6806

.6565

.6380

.6357

-.0194

.010

.0313

-.0818

.3083

-.0511

-.1811

-.1215

-.0260

.020

.0073

.0202

.2625

-.1789

-.2109

-.2324

-.2647

.0022

.040

.0318

.0695

.050

-.0695

-.1516

-.2003

-.2479

-.2641

.069

.0282

.080

-.1665

.081

-.0768

.096

-.0049

-.0261

.094

.150

-.0873

-.1544

-.1504

-.1910

.157

.0638

.163

.1007

.177

-.0278

.229

.0222

.246

.0409

.250

-.0566

.0181

.1477

.0935

.274

.0367

.345

.1834

.362

.0000

.390

.1225

.400

.4314

.4618

.3387

.402

.3735

.418

-.1000

.497

.0127

.503

.1810

.550

.4228

.3688

.565

.4402

.1992

.600

.4500

.637

.1970

.650

-.0262

.670

.1280

.700

.4651

.1059

.725

-.4733

.730

.0774

.0174

.750

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ARC11-019 IAB1 LVAP(ELML SEALED) LEFT WING BOT.

(RETL12)

ALPHA(4) = .006 BETA(2) = -4.126

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.760			.0052					
.775				.1848	.2158			
.798		-.0743						
.808			.0305					
.834	-.2421							
.839		-.0978						
.850				-.0282	-.0683	-.1278		
.857			-.1644					
.862								-.1782
.865	-.1605							
.879		-.2261						
.900	-.2259			-.1861				-.1679
.905			-.3078					
.919		-.2993						
.950				-.3238	-.2671	-.2464		
.953			-.4010					
.955		-.3815						
.965	-.3484							
1.000			-.4060		-.3001		-.3617	

ALPHA(4) = .015 BETA(3) = -.027

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.0596	-.1456	.3022	.5789	.5647	.5422	.5602	-.0655
.010	-.0519	-.1283	.2446	-.1143	-.2335	-.1830	-.0768	
.020	-.0677	-.0292	.1920	-.2234	-.2661	-.2748	-.2941	-.0510
.040		-.0122	.0110					
.050	-.1334			-.1378	-.2323	-.2052	-.2130	
.069								-.0272
.080				-.0963				
.081			-.1127					
.086		-.0905						
.094	-.0720							
.150				-.1013	.0378	-.0010	-.0830	
.157								.0525
.163		.0357						
.177			-.0822					
.229	-.0793							
.246		.0311						
.250				.2228	.1833	.1263	.0729	
.274			.2119					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(4) = .015 BETA(3) = -.027

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.345								.1660	
.362	.0000								
.390		.2337							
.400				.2404	.2536		.3079		
.402			.2540						
.418									-.1745
.497	.1587								
.503								.1141	
.550				.3397	.3256				
.565			.2808						
.600							.1635		
.637		.2794							
.650					.1550				
.670								-.0776	
.700	.2765				.0843				
.725				.0416					
.730									-.5008
.750						.0399	-.0210		
.760			-.0507						
.775				.1078	.1501				
.798		-.1446							
.808			-.0688						
.834	-.2433								
.839		-.1368							
.850				-.1023	-.1212	-.1641			
.857			-.2243						
.862								-.2289	
.865	-.1669								
.879		-.2344							
.900	-.2679			-.2568			-.2074		
.905			-.3492						
.919		-.3425							
.950				-.3743	-.3193	-.2888			
.953			-.4180						
.955		-.4190							
.965	-.3628								
1.000			-.4224		-.3010		-.3852		

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL 12)

ALPHA0(4) = .024 BETA0 (4) = 4.105

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2064	-.1527	.2165	.5335	.5002	.4687	.4649	-.0676
.010	-.1861	-.1329	.1985	.0530	-.0760	-.1218	-.0711	
.020	-.1782	-.1190	.1950	.0490	-.0373	-.1453	-.2305	-.0512
.040		-.1099	.1283					
.050	-.1520			.0740	-.0735	-.0830	-.1372	
.069								-.0564
.080				.0672				
.081			.0659					
.086		-.0605						
.094	-.1779							
.150				.0821	.0770	.0682	.0308	
.157								-.0156
.163		.0924						
.177			.1217					
.229	-.1021							
.246		.0888						
.250				.1334	.0891	.0658	.0227	
.274			.1623					
.345								.0975
.362	.0000							
.390		.1903						
.400				.1556	.1395		.2409	
.402			.1716					
.418								-.1957
.497	.1438							
.503								.0480
.550				.1612	.2481			
.565			.1149					
.600							.1061	
.637		.1135						
.650						.0865		
.670								-.1424
.700	.0997				.0037			
.725				-.0685				
.730								-.5604
.750						-.0387	-.0710	
.760			-.2137					
.775				-.0274	.0602			
.798		-.1800						
.808			-.1179					
.834	-.2035							
.839		-.1316						
.850				-.2002	-.1823	-.2231		
.857			-.2364					
.862								-.2828

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA0(4) = .024 BETA0 (4) = 4.105

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.865	-.1876							
.879		-.2611						
.900	-.2509			-.3139			-.2663	
.905			-.3650					
.919		-.3320						
.950				-.4062	-.3557	-.3414		
.953			-.4193					
.955		-.3342						
.965	-.2764							
1.000			-.3091	-.3838		-.3871		

ALPHA0(4) = .038 BETA0 (5) = 6.165

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.2861	-.1602	.2019	.5153	.4663	.4207	.4128	-.0537
.010	-.2647	-.1671	.2032	.1435	-.0659	-.1352	-.0986	
.020	-.2449	-.1422	.1826	.1312	-.0340	-.1411	-.2369	-.0414
.040		-.1259	.1189					
.050	-.1859			.0631	-.0591	-.0864	-.1450	
.069								-.0525
.080				.0424				
.081			.0662					
.086		-.0828						
.094	-.2367							
.150				.1012	.0606	.0437	.0493	
.157								.0404
.163		.1129						
.177			.1230					
.229	-.1254							
.246		.0781						
.250				.1206	.0872	.0722	.0401	
.274			.1458					
.345								.0531
.362	.0000							
.390		.1769						
.400				.1423	.1257		.2298	
.402			.1648					
.418								-.2628
.497	.1392							
.503								.0111
.550				.0872	.1711			

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(4) = .038 BETA(5) = 6.165

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.0846						
.600							.0741		
.637		.0883							
.650					.0530				
.670								-.1699	
.700	.0148			-.0349					
.725			-.1320						
.730								-.5620	
.750					-.0760	-.1001			
.760			-.2035						
.775			-.0766	.0152					
.798		-.1354							
.808			-.1071						
.834	-.2124								
.839		-.1438							
.850			-.1948	-.2106	-.2570				
.857			-.2388						
.862								-.3089	
.865	-.2106								
.879		-.2363							
.900	-.2200		-.3064				-.2934		
.905			-.3340						
.919		-.2879							
.950			-.3907	-.3434	-.3690				
.953			-.3518						
.955		-.2845							
.965	-.2435								
1.000		-.2444		-.3644		-.3786			

ALPHA(5) = 2.130 BETA(1) = -6.171

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0247	-.0324	.4536	.7460	.7439	.7213	.7213	.2249	
.010	.1230	-.0213	.4092	.0803	.0258	.0611	.1489		
.020	.0852	.0251	.3457	.0232	.0664	-.0324	.0354	.2611	
.040		.0788	.1399						
.050	-.0350			-.0354	-.0674	-.0419	.1227		
.069								.2343	
.080				-.0011					
.081			.0066						
.086		.0279							

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TABLE A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A91 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL 12)

ALPHA0(5) = 2.130 BETA0 (1) = -6.171

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW.

.094	.0733					
.150			-.0221	.0333	.2370	.3522
.157						.2263
.163	.1691					
.177		.0132				
.229	.0161					
.246	.1435					
.250			.3932	.4774	.4526	.3443
.274		.1333				
.345						.1899
.362	.0000					
.390	.2816					
.400			.5154	.4919		.3385
.402		.5057				
.418						-.1689
.497	.0873					
.503						.1451
.550			.4657	.3864		
.565		.5076				
.600					.1842	
.637	.5328					
.650					.2068	
.670						-.0354
.700	.5856			.1480		
.725			.1380			
.730						-.5435
.750					.0754	.0219
.760		.0379				
.775			.2235	.2599		
.798	-.0417					
.808		.0706				
.834	-.2127					
.839	-.0617					
.850			.0149	-.0470	-.1140	
.857		-.1303				
.862						-.1788
.865	-.1445					
.879	-.1964					
.900	-.1978		-.1614			-.1639
.905		-.2888				
.919	-.2657					
.950			-.3065	-.2465	-.2328	
.953		-.3928				
.955	-.3582					
.965	-.3207					

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(5) = 2.130 BETA(1) = -6.171

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

1.000

-.3878

-.3576

-.4113

ALPHA(5) = 2.133 BETA(2) = -2.078

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000

-.0439

-.1222

.3504

.6703

.6565

.6294

.6336

.1824

.010

-.0216

-.0599

.3221

.0828

-.0405

-.0174

.0761

.0761

.020

-.0396

-.0511

.2747

.0439

.0100

-.1001

-.1241

.2093

.040

-.0470

.1069

-.0511

-.1269

-.0760

-.0192

.2210

.050

-.0459

.0792

-.0511

.0032

.1587

.2163

.1942

.069

-.0268

.1044

-.0217

.0032

.1587

.2163

.1942

.080

-.0508

.0792

-.0217

.0032

.1587

.2163

.1942

.081

.1044

-.0202

.3401

.2649

.3072

.3409

.1528

.086

.0296

.1766

.3401

.2649

.3072

.3409

.1528

.094

.0000

.2560

.3549

.4413

.3273

.3273

.3273

.150

.1522

.4015

.4079

.3586

.1673

.1673

.1673

.157

.3970

.1742

.1170

.1170

.1170

.1170

.1170

.163

.4054

.0921

.0921

.0921

.0921

.0921

.0921

.177

.0405

.0405

.0405

.0405

.0405

.0405

.0405

.229

.0405

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.246

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.250

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.345

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.362

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.390

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.400

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.402

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.418

.0405

.0405

.0405

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.0405

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.497

.0405

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.503

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.550

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.565

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.637

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.650

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.670

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.700

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.0405

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.0405

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.0405

.725

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.730

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.750

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.0405

.0405

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(5) = 2.133 BETA(2) = -2.078

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.0165						
.775				.1598	.2174				
.798		-.0888							
.808			.0097						
.834	-.2238								
.839		-.1024							
.850				-.0445	-.0804	-.1461			
.857			-.1750						
.862								-.2195	
.965	-.1353								
.879		-.2047							
.900	-.2356			-.2025				-.1912	
.905			-.3154						
.919		-.3003							
.950				-.3245	-.2932	-.2714			
.953			-.3852						
.955		-.3836							
.965	-.3602								
1.000			-.4117		-.2895		-.4144		

ALPHA(5) = 2.141 BETA(3) = 2.056

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1129	-.2179	.2498	.5949	.5980	.5787	.5512	.0180	
.010	-.0934	-.1353	.2389	.2036	.1133	.1010	.1145		
.020	-.0913	-.0713	.2018	.1613	.1192	.0566	-.0167	.0600	
.040		-.0647	.0913						
.050	-.0645			.1169	.0533	.0658	.0256		
.069								.0711	
.080				.1175					
.081			.1405						
.086		-.0091							
.094	-.0946								
.150				.2089	.1371	.1114	.0938		
.157								.1616	
.163		.0615							
.177			.1374						
.229	-.0536								
.248		.1644							
.250				.1885	.1504	.1240	.0918		
.274			.2171						

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ARC11-0.9 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(5) = 2.141 BETA(3) = 2.056

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.42	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								.1317	
.362	.0000								
.390		.2341							
.400				.2117	.2259		.3475		
.402			.2280						
.418									-.3513
.497	.2000								
.503								.0838	
.550				.2787	.3113				
.565			.2183						
.600							.1483		
.637		.2128							
.650					.1401				
.670								-.1135	
.700	.1980				.0600				
.725				.0011					
.730									-.6289
.750						-.0016	-.0366		
.760			-.1209						
.775				.0508	.1275				
.798		-.2082							
.808			-.1172						
.834	-.2058								
.839		-.1259							
.850				-.1283	-.1423	-.1865			
.857			-.2600						
.862								-.2585	
.865	-.1548								
.879		-.2297							
.900	-.2456			-.2716			-.2355		
.905			-.3400						
.919		-.3410							
.950				-.3859	-.3336	-.3164			
.953			-.4050						
.955		-.3881							
.965	-.2897								
1.000		-.3929		-.3209		-.4272			

ARC11-019 IAB1 LVAP(ELPL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(5) = 2.152 BETA(4) = 6.169

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.1936								
.879		-.2324							
.900	-.2149			-.3021			-.2975		
.905			-.3371						
.919		-.2817							
.950				-.3914	-.3503	-.3717			
.953			-.3346						
.955		-.2697							
.965	-.2382								
1.000		-.2464		-.3396		-.4325			

ALPHA(6) = 4.219 BETA(1) = -6.158

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0263	-.0427	.4263	.7405	.7785	.7960	.7647	.1521	
.010	.1267	.0351	.4197	.2230	.2334	.4005	.5030		
.020	.0943	.0971	.3665	.1587	.2220	.3428	.3747	.2418	
.040		.0980	.1711						
.050	-.0277			.0826	.1585	.3141	.3787		
.069								.2427	
.080				.0801					
.081			.0393						
.086		.0445							
.094	.0627								
.150				.1828	.3953	.3620	.3760		
.157								.2297	
.163		.1468							
.177			.0430						
.229	.1028								
.246		.1492							
.250				.4171	.3848	.4145	.3505		
.274			.4294						
.345								.1979	
.362	.0000								
.390		.4316							
.400				.4690	.4749		.3465		
.402			.4846						
.418									-.3303
.497	.3600								
.503								.1487	
.550				.4458	.3782				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(6) = 4.219 BETA(1) = -6.158

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.4867						
.600							.1901		
.637		.5128							
.650						.2034			
.670								-.0281	
.700	.5769				.1451				
.725				.1336					
.730									-.6014
.750						.0597	.0383		
.760			.0266						
.775				.2128	.2461				
.798		-.0547							
.808			.0683						
.834	-.2269								
.839		-.0788							
.850				.0022	-.0498	-.1161			
.857			-.1392						
.862								-.1753	
.865	-.1637								
.879		-.2150							
.900	-.2026			-.1653			-.1642		
.905			-.2919						
.919		-.2740							
.950				-.3031	-.2421	-.2432			
.953			-.3848						
.955		-.3562							
.965	-.3201								
1.000			-.3760		-.3734		-.4558		

ALPHA(6) = 4.218 BETA(2) = -4.108

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0351	-.0916	.3784	.7318	.7289	.7381	.7095	.1217	
.010	.0569	.0137	.3942	.2693	.2092	.3061	.4524		
.020	.0398	.0556	.3438	.1970	.2030	.2484	.3255	.2092	
.040		.0562	.1555						
.050	-.0576			.0700	.1083	.2703	.3299		
.069								.2163	
.080				.0503					
.081			.1200						
.086		.0137							

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TABLE A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL 12)

ALPHA0(6) = 4.218 BETA0 (2) = -4.108

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW			
1.000	-.3937	-.3256	-.4555

ALPHA(6) = 4.224 BETA(3) = -.013

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW								
.000	-.0814	-.1667	.2765	.6629	.6599	.6364	.6013	.0419
.010	-.0516	-.1143	.3119	.3722	.2914	.3055	.3432	
.020	-.0616	-.0756	.2879	.2902	.2707	.2475	.2196	.1351
.040		-.0715	.2602					
.050	.0554			.2072	.1748	.2151	.2147	
.069								.1567
.080				.1831				
.081			.1957					
.086		.0466						
.094	-.0680							
.150				.2303	.2243	.2193	.2246	
.157								.1675
.163		.0619						
.177			.1681					
.229	.0235							
.246		.2161						
.250				.2451	.2181	.2434	.2783	
.274			.2727					
.345								.1302
.362	.0000							
.390		.2907						
.400				.2926	.3494		.3376	
.402			.2898					
.418								
.497	.2490							
.503								.0962
.550				.3368	.3312			
.565			.2879					
.600							.1558	
.637		.2913						
.650						.1513		
.670								-.0924
.700	.2909				.0833			
.725				.0434				
.730								
.750						.0024	-.0201	

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(6) = 4.224 BETA(3) = -.013

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.0858						
.775				.0927	.1673				
.798		-.1531							
.808			-.0656						
.834	-.1692								
.839		-.1001							
.850				-.0897	-.1164	-.1691			
.857			-.2162						
.862								-.2378	
.865	-.1294								
.879		-.2064							
.900	-.2352			-.2426			-.2146		
.905			-.3298						
.919		-.3093							
.950				-.3641	-.3219	-.3033			
.953			-.3911						
.955		-.3749							
.965	-.3078								
1.000			-.3805		-.3429		-.4714		

ALPHA(6) = 4.226 BETA(4) = 4.116

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1918	-.3144	.2593	.5714	.5644	.5483	.5140	-.0740	
.010	-.1554	-.2880	.3474	.3822	.3017	.3073	.3263		
.020	-.1228	-.1866	.3546	.3038	.2754	.2548	.2177	.0297	
.040		-.1649	.2752						
.050	-.0474			.2077	.1864	.2023	.2158		
.069								.0603	
.080				.1871					
.081			.1643						
.086		-.0038							
.094	-.1329								
.150				.2158	.2071	.2004	.2146		
.157								.0831	
.163		.2356							
.177			.1930						
.229	-.0739								
.246		.1474							
.250				.2198	.2046	.2133	.2106		
.274			.2216						

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(6) = 4.226 BETA(4) = 4.116

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								.0659	
.362	.0000								
.390		.2492							
.400				.2232	.2591		.2461		
.402			.2322						
.418									-.5375
.497	.2092								
.503								.0294	
.550				.1982	.2230				
.565			.1625						
.600							.0939		
.637		.1490							
.650						.0840			
.670								-.1425	
.700	.1453				-.0029				
.725				-.0686					
.730									-.6776
.750						-.0657	-.0659		
.760			-.2047						
.775				-.0309	.0668				
.798		-.1649							
.808			-.0982						
.834	-.1785								
.839		-.1084							
.850				-.1781	-.1832	-.2256			
.857			-.2116						
.862								-.2836	
.865	-.1581								
.879		-.2271							
.900	-.2186			-.2940			-.2672		
.905			-.3309						
.919		-.2937							
.950				-.3833	-.3529	-.3455			
.953			-.3860						
.955		-.2900							
.965	-.2400								
1.000			-.2138		-.3226		-.4712		

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA0(6) = 4.218 BETA0 (5) = 6.193

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2864	-.3006	.1907	.4986	.5125	.5060	.4676	-.1216	
.010	-.2331	-.2883	.2927	.3257	.2732	.2921	.3102		
.020	-.1724	-.1994	.3182	.2527	.2516	.2434	.2120	-.0116	
.040		-.1655	.2497						
.050	-.1429			.1984	.1664	.1931	.2074		
.069								.0226	
.080				.1957					
.081			.1573						
.086		-.0010							
.094	-.1563								
.150				.1938	.1946	.1925	.2024		
.157								.0486	
.163		.1947							
.177			.1819						
.229	-.1165								
.246		.1512							
.250				.2095	.1875	.1987	.1979		
.274			.2139						
.345								.0319	
.362	.0000								
.390		.2317							
.400				.1988	.2254		.2164		
.402			.2149						
.418									-.5649
.497	.2016								
.503								-.0089	
.550				.1427	.1659				
.565			.1227						
.600							.0602		
.637		.1173							
.650						.0433			
.670								-.1700	
.700	.0311				-.0459				
.725				-.1199					
.730									-.6831
.750						-.1089	-.0956		
.760			-.1705						
.775				-.0718	.0118				
.798		-.1072							
.808			-.0830						
.834	-.1897								
.839		-.1248							
.850				-.1761	-.2136	-.2553			
.857			-.2219						
.862								-.3062	

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA0(6) = 4.218 BETA0 (5) = 6.193

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.1848								
.879		-.2179							
.900	-.1952			-.2867				-.2916	
.905			-.3200						
.919		-.2580							
.950				-.3694	-.3578	-.3677			
.953			-.2562						
.955		-.2438							
.965	-.2196								
1.000			-.2334		-.2666			-.4713	

ALPHA0(7) = 6.323 BETA0 (1) = -4.082

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0184	-.1174	.3643	.7582	.7529	.7406	.6855	.0133	
.010	.0404	.0202	.4161	.5148	.4578	.5432	.6063		
.020	.0258	.0523	.3799	.3770	.4160	.4391	.5008	.1626	
.040		.0497	.2575						
.050	-.0147			.3257	.2772	.3724	.4464		
.069				.2768				.2016	
.080									
.081			.2681						
.086		.0214							
.094	.0358								
.150				.2141	.3348	.3928	.3848		
.157								.2096	
.163		.1542							
.177			.2494						
.229	.1128								
.246		.2164							
.250				.3278	.3856	.3904	.3454		
.274			.3051						
.346								.1768	
.362	.0000								
.390		.3230							
.400				.4069	.4132		.3351		
.402			.4002						
.418									-.4676
.497	.2615								
.503								.1323	
.550				.3742	.3325				

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(7) = 6.326 BETA(3) = .008

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.1304						
.775				.0814	.1569				
.798		-.1875							
.808			-.0842						
.834	-.1362								
.839		-.0821							
.850				-.1009	-.1215	-.1697			
.857			-.2175						
.862								-.2340	
.865	-.1377								
.879		-.1937							
.900	-.2307			-.2499			-.2129		
.905			-.3170						
.919		-.3009							
.950				-.3691	-.3163	-.3038			
.953			-.3754						
.955		-.3512							
.935	-.2903								
1.000			-.3126	-.3543			-.4899		

ALPHA(7) = 6.323 BETA(4) = 2.079

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1434	-.2899	.2423	.6041	.6036	.5942	.5421	-.1363	
.010	-.0893	-.2368	.3720	.4936	.4162	.4736	.4939		
.020	-.0263	-.1497	.3973	.3904	.3819	.3958	.3963	.0341	
.040		-.1280	.3291						
.050	-.0096			.3015	.2701	.3128	.3617		
.069								.0856	
.080				.2687					
.081			.2431						
.086		.0704							
.094	-.0775								
.150				.2487	.2691	.2909	.3181		
.157								.1179	
.163		.2467							
.177			.2281						
.229	-.0038								
.246		.2004							
.250				.2628	.2620	.2925	.2908		
.274			.2512						

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(7) = 8.323 BETA(4) = 2.079

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								.0998	
.362	.0000								
.390		.2726							
.400				.2825	.3159		.2828		
.402			.2792						
.418									-.5571
.497	.2428								
.503								.0578	
.550				.2435	.2502				
.565			.2235						
.600							.1235		
.637		.2257							
.650						.1117			
.670								-.1092	
.700	.2264				.0268				
.725				-.0270					
.730									-.6827
.750						-.0483	-.0312		
.760			-.1637						
.775				.0151	.1058				
.798		-.2241							
.808			-.1304						
.834	-.1773								
.839		-.1074							
.850				-.1393	-.1506	-.1990			
.857			-.2369						
.862								-.2559	
.865	-.1578								
.879		-.2216							
.900	-.2373			-.2752			-.2337		
.905			-.3200						
.919		-.3148							
.950				-.3864	-.3366	-.3251			
.953			-.3842						
.955		-.3494							
.965	-.2607								
1.000			-.2341		-.3243		-.4861		

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ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(7) = 5.317 BETA(5) = 4.142

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.2253	-.3776	.1812	.5284	.5596	.5498	.4927	-.1976	
.010	-.1651	-.3270	.3061	.4669	.4147	.4597	.4713		
.020	-.0938	-.2036	.3357	.3717	.3807	.3871	.3786	-.0199	
.040		-.1709	.2883						
.050	-.0588			.2932	.2661	.3038	.3459		
.069				.2638				.0347	
.080									
.081			.2332						
.086		.0391							
.094	-.1377								
.150				.2494	.2596	.2769	.2970		
.157								.0769	
.163		.2326							
.177			.2273						
.229	-.0323								
.246		.2049							
.250				.2531	.2476	.2686	.2654		
.274			.2385						
.345								.0646	
.362	.0000								
.390		.2570							
.400				.2543	.2750		.2490		
.402			.2497						
.418									-.5839
.497	.2242								
.503								.0236	
.550				.2004	.1966				
.565			.1672						
.600							.0908		
.637		.1571							
.650						.0733			
.670								-.1371	
.700	.1551				-.0217				
.725				-.0652					
.730									-.6923
.750						-.0853	-.0612		
.760			-.2151						
.775				-.0284	.0502				
.798		-.1782							
.808			-.1055						
.834	-.1757								
.839		-.1072							
.850				-.1839	-.1881	-.2277			
.857			-.2089						
.862								-.2791	

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL12)

ALPHA(7) = 6.317 BETA(5) = 4.142

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3840	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.865	-.1797								
.879		-.2263							
.900	-.2202			-.2972			-.2602		
.905			-.3279						
.919		-.2886							
.950				-.3830	-.3573	-.3477			
.953			-.3773						
.955		-.2809							
.965	-.2293								
1.000			-.1883		-.2669		-.4859		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL13) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .600 RN/FT = 2.250
 ELY-18 = 8.000 ELV-08 = .000
 RUDDER = .000 SPD8RK = .000

ALPHA(1) = -6.055 BETA(1) = -.005

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0205	.0256	.1627	.2603	.0278	-.0919	-.0687	-.6456	
.010	-.0204	-.0007	-.1399	-1.0255	-1.2207	-1.5233	-1.4568		
.020	-.0346	.0075	-.2203	-.8574	-1.1867	-1.3380	-1.3499	-.5723	
.040		.0173	-.2832						
.050	-.0396			-.4970	-.5963	-.7716	-1.0554		
.069								-.5272	
.080				-.3768					
.081			-.2379						
.086		.0297							
.094	-.0356								
.150				-.2255	-.3030	-.3788	-.4218		
.157								-.3970	
.163		-.0445							
.177			-.1538						
.229	.0045								
.246		-.1208							
.250				-.1610	-.2255	-.2765	-.3012		
.274			-.1080						
.345								-.3314	
.362	.0000								
.390		-.0569							
.400				-.1233	-.1831		-.2253		
.402			-.0672						
.418								-.3840	
.497	-.0467								
.503								-.3160	
.550				-.1827	-.2160				
.565			-.1636						
.600							-.2499		
.637		-.1430							
.650						-.2529			
.670								-.3288	
.700	-.0943				-.2305				
.725				-.1476					
.730								-.3942	
.750						-.1782	-.2622		
.760			-.1105						
.775				-.0738	-.1120				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA0(2) = -4.020 BETA0(1) = -4.064

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.0137							
.400									
.402			.0077		-.0612	-.1258		-.1780	
.418									-.1953
.497	.0190								
.503								-.2181	
.550				-.1428	-.1770				
.565			-.0898						
.600							-.2262		
.637		-.0787							
.650						-.2295			
.670								-.2427	
.700	-.0117				-.2096				
.725			-.1190						
.730									-.1896
.750						-.1689	-.2545		
.760			-.0639						
.775			-.0390	-.0859					
.798		-.0596							
.808			-.1324						
.834	-.2234								
.839		-.1805							
.850			-.1960	-.1604	-.2074				
.857			-.2199						
.862								-.1367	
.865	-.2431								
.879		-.2352							
.900	-.2602		-.2143	-.1816			-.1231		
.905									
.919		-.2285							
.950			-.0825	-.0911	-.0335				
.953			-.1185						
.955		-.1516							
.965	-.1868								
1.000			.0242		.0439		.0709		

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA0(2) = -3.985 BETA0 (2) = .001

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2930	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0150	.0532	.2366	.3256	.2092	.1290	.1633	-.4408	
.010	-.0145	.0532	.0203	-.6931	-.8909	-1.1718	-1.1187		
.020	-.0149	.0480	-.0644	-.6040	-.7920	-.9180	-1.0255	-.4475	
.040		.0603	-.1696						
.050	-.0209			-.3711	-.4603	-.5711	-.6260		
.069								-.4107	
.080				-.2839					
.081			-.1625						
.086		.0686							
.094	-.0164								
.150				-.1695	-.2267	-.2711	-.3139		
.157								-.2735	
.163		-.0059							
.177			-.1048						
.229	.0216								
.246		-.0764							
.250				-.1172	-.1757	-.2145	-.2470		
.274			-.0670						
.345								-.2286	
.362	.0000								
.390		-.0303							
.400				-.0982	-.1491		-.1960		
.402			-.0394						
.418									-.2489
.497	-.0174								
.503								-.2261	
.550				-.1680	-.1984				
.565			-.1308						
.600							-.2424		
.637		-.1293							
.650						-.2451			
.670								-.2449	
.700	-.0750				-.2277				
.725				-.1377					
.730								-.2310	
.750						-.1854	-.2608		
.760			-.0940						
.775				-.0618	-.1110				
.798		-.1000							
.808			-.1425						
.834	-.1636								
.839		-.1801							
.850				-.2053	-.1830	-.2145			
.857			-.2120						
.862								-.1300	

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA0(2) = -3.985 BETA0 (2) = .001

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.865	-.1887								
	.879		-.2135							
	.900	-.2102			-.1875				-.1266	
	.905			-.2053						
	.919		-.2017							
	.950				-.0942	-.1013	-.0457			
	.953			-.1129						
	.955		-.1447							
	.965	-.1614								
	1.000			.0029		.0463		.0632		

ALPHA0(2) = -3.974 BETA0 (3) = 4.077

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.000	-.0538	.0349	.2023	.2663	.1328	.0611	.0741	-.4448	
	.010	-.0421	.0462	.0315	-.8649	-.8540	-1.1285	-1.0800		
	.020	-.0421	.0514	-.0405	-.5703	-.7725	-.9081	-.9838	-.4125	
	.040		.0622	-.1371						
	.050	-.0406			-.3519	-.4510	-.5558	-.6179		
	.069								-.3848	
	.080				-.2739					
	.081			-.1469						
	.086		.0632							
	.094	-.0401								
	.150				-.1737	-.2293	-.2751	-.3135		
	.157								-.2545	
	.163		.0029							
	.177			-.0991						
	.229	-.0027								
	.246		-.0724							
	.250				-.1278	-.1811	-.2268	-.2519		
	.274			-.0744						
	.345								-.2170	
	.362	.0000								
	.390		-.0424							
	.400			-.1138	-.1641		-.2061			
	.402			-.0641						
	.418								-.2521	
	.497	-.0355								
	.503								-.2124	
	.550			-.1804	-.2127					

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA0(2) = -3.974 BETA0 (3) = 4.077

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.565				-.1571						
.600								-.2396		
.637			-.1650							
.650						-.2515				
.670									-.2293	
.700	-.1420					-.2376				
.725				-.1582						
.730										-.2289
.750							-.1878	-.2632		
.760				-.1368						
.775					-.0890	-.1340				
.798			-.1396							
.808				-.1712						
.834	-.1769									
.839			-.2032							
.850					-.2154	-.2029	-.2268			
.857				-.2158						
.862									-.1225	
.865	-.1925									
.879			-.2250							
.900	-.2137				-.1995			-.1326		
.905				-.2065						
.919			-.2193							
.950					-.1161	-.1196	-.0615			
.953				-.1409						
.955			-.1758							
.965	-.1848									
1.000				-.0429		.0218		.0536		

ALPHA0(3) = .096 BETA0 (1) = -6.161

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000		.0278	.1009	.3755	.5587	.5329	.5195	.4884	-.0607	
.010		.0503	.1417	.3127	-.0020	-.0566	-.0175	.0081		
.020		.0442	.1550	.2425	-.0861	-.0602	-.1060	-.1395	-.0541	
.040			.1678	.0845						
.050	.0334				-.0605	-.0798	-.1034	-.1263		
.069									-.0869	
.080					-.0350					
.081				.0338						
.086			.1832							

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ARC11-019 1A81 LVAPIELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA(3) = .096 BETA(1) = -6.101

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.094	.0298								
.150				.0086	-.0122	-.0438	-.0836		
.157								-.1016	
.163		.1221							
.177			.0486						
.229	.0834								
.246		.0504							
.250				.0374	-.0149	-.0522	-.0943		
.274			.0692						
.345								-.1238	
.362	.0600								
.390		.0927							
.400				.0092	-.0459		-.0980		
.402			.0803						
.418									-.2668
.497	.0932								
.503								-.1433	
.550				-.0866	-.1161				
.565			-.0566						
.600							-.1879		
.637		-.0437							
.650						-.1934			
.670								-.2261	
.700	.0540				-.1779				
.725				-.0770					
.730									-.4709
.750						-.1625	-.2399		
.760			-.0388						
.775				-.0047	-.0512				
.798		-.0326							
.808			-.1093						
.834	-.1791								
.839		-.1615							
.850				-.1788	-.1462	-.2255			
.857			-.2155						
.862								-.1637	
.865	-.2173								
.879		-.2234							
.900	-.2657			-.1730			-.1516		
.905			-.2123						
.919		-.2028							
.950				-.0826	-.0945	-.0617			
.953			-.1115						
.955		-.1325							
.965	-.1783								

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA(3) = .096 BETA(1) = -6.101

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			.0419		.0443		.0480		

ALPHA(3) = .098 BETA(2) = -4.070

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0023	.0834	.3473	.5280	.4992	.4815	.4570	-.0910	
.010	.0297	.1228	.2887	-.0517	-.1186	-.0994	-.0524		
.020	.0277	.1291	.2147	-.1330	-.1113	-.1638	-.2004	-.0808	
.040		.1471	.0577						
.050	.0261			-.0889	-.1197	-.1411	-.1584		
.069								-.1112	
.080				-.0644					
.081			.0048						
.086		.1640							
.094	.0251								
.150				-.0213	-.0408	-.0715	-.1107		
.157								-.1228	
.163		.1064							
.177			.0260						
.229	.0766								
.246		.0281							
.250				.0133	-.0371	-.0773	-.1120		
.274			.0392						
.345								-.1411	
.362	.0000								
.390		.0715							
.400				-.0171	-.0616		-.1152		
.402			.0508						
.418								-.2725	
.497	.0766								
.503								-.1584	
.550				-.1166	-.1367				
.565			-.0866						
.600							-.1988		
.637		-.0789							
.650					-.2067				
.670								-.2361	
.700	.0174			-.1911					
.725			-.1011						
.730								-.4320	
.750					-.1499	-.2513			

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA0(3) = .098 BETA0 (2) = -4.070.

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.760				-.0617						
.775					-.0181	-.0658				
.798			-.0604							
.808				-.1191						
.834	-.1976									
.839			-.1694							
.850					-.1869	-.1573	-.2272			
.857				-.2109						
.862									-.1614	
.865	-.2167									
.879			-.2229							
.900	-.2538				-.1784			-.1562		
.905				-.2162						
.919			-.2033							
.950					-.0904	-.1039	-.0635			
.953				-.1091						
.955			-.1292							
.955	-.1596									
1.000				.0444		.0357		.0426		

ALPHA0(3) = .086 BETA0 (3) = -.016

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.0570	.0360	.2904	.4557	.4194	.3976	.3858		-.1432	
.010	-.0262	.0672	.2360	-.1442	-.2426	-.2411	-.2105			
.020	-.0190	.0878	.1672	-.2014	-.2159	-.2626	-.3174	-.1436		
.040		.1089	.0289							
.050	-.0098			-.1421	-.1902	-.2243	-.2519			
.069									-.1713	
.080				-.1164						
.081			-.0283							
.086		.1322								
.094	-.0072									
.150				-.0586	-.0833	-.1211	-.1654			
.157									-.1609	
.163		.0799								
.177			-.0205							
.229	.0461									
.246		-.0032								
.250			-.0360	-.0833	-.1096	-.1516				
.274			-.0068							

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA0 (3) = .096 BETA0 (3) = -.016

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.345								-.1682	
.362	.0000								
.390		.0226							
.400				-.0523	-.0956		-.1412		
.402			.0021						
.418								-.2528	
.497	.0271								
.503								-.1823	
.550				-.1342	-.1610				
.565			-.1172						
.600							-.2159		
.637		-.1120							
.650					-.2247				
.670								-.2457	
.700	-.0605				-.2029				
.725				-.1143					
.730									-.3313
.750						-.1687	-.2687		
.760			-.0748						
.775				-.0371	-.0841				
.798		-.0821							
.808			-.1274						
.834	-.1758								
.839		-.1699							
.850				-.1992	-.1694	-.2330			
.857			-.2191						
.862								-.1528	
.865	-.1958								
.879		-.2115							
.900	-.2250			-.1908			-.1563		
.905			-.2107						
.919		-.1967							
.950				-.0930	-.1060	-.0630			
.953			-.1174						
.955		-.1357							
.965	-.1567								
1.000			.0122		.0384		.0539		

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A91 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA(3) = .117 BETA(4) = 4.075

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.1033	-.0123	.2350	.3981	.3531	.3298	.3164	-.1833
.010	-.0814	.0146	.2100	-.1372	-.2453	-.2560	-.2171	
.020	-.0644	.0477	.1597	-.1834	-.2145	-.2761	-.3244	-.1862
.040		.0632	.0386					
.050	-.0421			-.1336	-.1913	-.2282	-.2536	
.069								-.1913
.080				-.1139				
.081			-.0289					
.086		.0952						
.094	-.0248							
.150				-.0651	-.0916	-.1334	-.1710	
.157								-.1805
.163		.0694						
.177			-.0252					
.229	.0235							
.246		-.0039						
.250				-.0495	-.0937	-.1194	-.1652	
.274			-.0221					
.345								-.1836
.362	.0000							
.390		.0013						
.400				-.0667	-.1098		-.1528	
.402			-.0304					
.418								-.2962
.497	.0133							
.503								-.1924
.550				-.1481	-.1715			
.585			-.1457					
.600						-.2293		
.637		-.1405						
.650						-.2382		
.670								-.2483
.700	-.1015				-.2218			
.725				-.1346				
.730								-.3437
.750						-.1731	-.2698	
.760			-.1133					
.775				-.0594	-.1067			
.798		-.1187						
.808			-.1500					
.834	-.1696							
.839		-.1893						
.850				-.1998	-.1902	-.2490		
.857			-.1954					
.862								-.1519

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA(3) = .117 BETA(4) = 4.075

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.1778								
.879		-.2189							
.908	-.2067			-.1926				-.1647	
.905			-.1954						
.919		-.2117							
.950				-.1145	-.1227	-.0776			
.953				-.1350					
.955		-.1660							
.965	-.1715								
1.000			-.0323		.0252		.0471		

ALPHA(3) = .121 BETA(5) = 6.104

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1389	-.0250	.1834	.3764	.3215	.2922	.2801	-.2055	
.010	-.1218	-.0113	.1652	-.1290	-.2638	-.2910	-.2457		
.020	-.0958	.0224	.1323	-.1760	-.2224	-.3030	-.3402	-.1901	
.040		.0375	.0505						
.050	-.0626			-.1269	-.2022	-.2397	-.2684		
.069				-.1065				-.2056	
.080									
.081			-.0147						
.086		.0718							
.094	-.0431								
.150				-.0658	-.0967	-.1405	-.1848		
.157								-.1875	
.163		.0594							
.177			-.0215						
.229	.0074								
.246		-.0009							
.250				-.0590	-.1034	-.1389	-.1666		
.274			-.0257						
.345								-.1912	
.362	.0000								
.390		-.0023							
.400				-.0747	-.1148		-.1676		
.402			-.0386						
.418									-.3074
.497	.0089								
.503								-.1953	
.550			-.1478	-.1788					

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA0 (3) = .121 BETA0 (5) = 6.104

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.565			-.1357						
.600							-.2288		
.637		-.1456							
.650						-.2359			
.670								-.2501	
.700	-.1310				-.2189				
.725			-.1420						
.730									-.3131
.750						-.1726	-.2688		
.760			-.1133						
.775				-.0830	-.1133				
.798		-.1168							
.808			-.1554						
.834	-.1622								
.839		-.1962							
.850				-.1865	-.1944	-.2437			
.857			-.2047						
.862								-.1468	
.865	-.1811								
.879		-.2239							
.900	-.2035			-.1761			-.1598		
.905			-.1969						
.919		-.2197							
.950				-.1096	-.1216	-.0725			
.953			-.1434						
.955		-.1800							
.965	-.1884								
1.000			-.0505		.0153		.0524		

ALPHA0 (4) = 4.241 BETA0 (1) = -4.062

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.000	-.0642	-.0155	.2891	.4818	.4349	.3840	.2317	-.3939	
.010	-.0002	.0533	.3809	.2900	.2985	.3885	.3877		
.020	.0231	.1263	.3502	.1706	.2286	.2479	.2535	-.1953	
.040		.1597	.2171						
.050	.0454			.1014	.1208	.1395	.1426		
.069								-.1543	
.080				.0820					
.081			.1250						
.086		.2154							

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IASIA - PRESSURE SOURCE DATA TABULATION

PAGE 921

ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA0 (4) = 4.241 BETAO (1) = -4.062

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		.0424		.0290		-.0113		

ALPHA0 (4) = 4.240 BETAO (2) = -.004

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000	-.1363	-.0710	.2339	.4388	.4009	.3574	.2338	-.3942
	.010	-.0765	-.0220	.3134	.2192	.2013	.2844	.2923	
	.020	-.0372	.0687	.2936	.1010	.1499	.1573	.1634	-.2215
	.040		.1057	.1738					
	.050	-.0023		.0503	.0618	.0645	.0592		
	.069								-.1915
	.080			.0382					
	.081		.0869						
	.086		.1756						
	.094	.0109							
	.150			.0398	.0431	.0268	-.0136		
	.157								-.1676
	.163		.1569						
	.177		.0608						
	.229	.0742							
	.246		.0635						
	.250			.0335	.0068	-.0146	-.0608		
	.274		.0551						
	.345								-.1723
	.362	.0000							
	.390		.0734						
	.400			-.0067	-.0361		-.0930		
	.402		.0447						
	.418								-.9377
	.497	.0747							
	.503								-.1858
	.550			-.0998	-.1205				
	.565		-.0917						
	.600						-.1951		
	.637	-.0986							
	.650					-.2010			
	.670							-.2791	
	.700	-.0317			-.1918				
	.725			-.0857					
	.730								-.11748
	.750					-.1958	-.2609		

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ARC11-019 IAS1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA(4) = 4.240 BETA(2) = -.004

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.0480						
.775				-.0073	-.0611				
.798		-.0621							
.808			-.1073						
.834	-.1603								
.839		-.1575							
.850				-.1866	-.1616	-.2506			
.857			-.2104						
.862								-.2294	
.865	-.2034								
.879		-.2075							
.900	-.2181			-.1835			-.1878		
.905			-.2104						
.919		-.1939							
.950				-.1047	-.1220	-.0923			
.953			-.1177						
.955		-.1309							
.965	-.1456								
1.000			.0296	.0213		.0008			

ALPHA(4) = 4.238 BETA(3) = 4.073

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2107	-.1302	.1663	.3867	.3463	.3019	.1791	-.4647	
.010	-.1604	-.1118	.2609	.1804	.1458	.2282	.2404		
.020	-.1148	-.0054	.2490	.0788	.1026	.1152	.1150	-.2927	
.040		.0315	.1462						
.050	-.0590			.0356	.0300	.0307	.0333		
.069								-.2510	
.080				.0184					
.081			.0699						
.086		.1166							
.094	-.0261								
.150				.0200	.0161	.0020	-.0376		
.157								-.2144	
.163		.1218							
.177			.0481						
.229	.0388								
.246		.0557							
.250				.0158	-.0112	-.0320	-.0786		
.274			.0367						

TABLE - PRESSURE SOURCE DATA TABULATION

ARC11-019 IAB1 LVAPI(ELHL SEALED) LEFT WING BOT.

{RETL13}

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

XZCH

.345							- .2067
.362	.0000						
.390		.0521					
.400			-.0222	-.0550		-.1070	
.402			.0123				
.418							-.9704
.497	.0545						
.503							-.2124
.550			-.1139	-.1303			
.565		-.1101					
.600						-.2046	
.637		-.1074					
.650					-.2076		
.670							-.2891
.700	-.0854			-.1958			
.725			-.1076				
.730							-1.0605
.750					-.1674	-.2696	
.760		-.0975					
.775			-.0357	-.0820			
.798		-.1002					
.808			-.1384				
.834	-.1655						
.839		-.1724					
.850			-.1903	-.1812	-.2576		
.857			-.1922				
.862							-.2285
.865	-.1822						
.879		-.2015					
.900	-.1974		-.1815			-.1937	
.905		-.1907					
.919		-.1952					
.950			-.1077	-.1303	-.0969		
.953		-.1249					
.955		-.1521					
.965	-.1625						
1.000		-.0203		.0152		.0060	

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHAQ(5) * 8.385 BETAQ(1) * -.010

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2594	-.2711	.0735	.2970	.1866	.0300	-.2759	-1.1797	
.010	-.1589	-.1972	.2975	.4359	.4519	.4837	.4343		
.020	-.0774	.0032	.3528	.3213	.3888	.4144	.3955	-.6298	
.040		.0657	.2798						
.050	-.0018			.2125	.2641	.2863	.2854		
.069				.1709				-.4099	
.080									
.081			.1795						
.086		.2084							
.094	.0287								
.150				.1323	.1669	.1690	.1224		
.157								-.2661	
.163		.2182							
.177			.1348						
.229	.1008								
.246		.1291							
.250				.1048	.0991	.0955	.0412		
.274			.1104						
.345								-.2102	
.362	.0000								
.390		.1203							
.400				.0444	.0274		-.0219		
.402			.0901						
.418								-2.1360	
.497	.1160								
.503								-.2112	
.550				-.0629	-.0689				
.565			-.0617						
.600							-.1507		
.637		-.0633							
.650					-.1574				
.670								-.3023	
.700	-.0018				-.1564				
.725				-.0598					
.730								-1.5831	
.750						-.1600	-.2438		
.760			-.0347						
.775				.0131	-.0387				
.798		-.0352							
.808			-.0924						
.834	-.1378								
.839		-.1466							
.850				-.1709	-.1580	-.2500			
.857			-.1958						
.862								-.3032	

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL13)

ALPHA(5) = 8.385 BETAO (1) = -.010

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.865	-.1749								
.879		-.1996							
.900	-.2104			-.1781				-.2143	
.905			-.2046						
.919		-.1866							
.950				-.1083	-.1189	-.0990			
.953			-.1199						
.955		-.1252							
.965	-.1300								
1.000			.0142		.0243			-.0545	

ALPHA(6) = 10.456 BETAO (1) = .002

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.3226	-.3638	.0148	.2006	.0646	-.1540	-.5470	-1.7201	
.010	-.2163	-.2715	.2615	.4611	.5237	.5084	.4215		
.020	-.0914	-.0283	.3327	.3626	.4676	.4920	.4464	-.8726	
.040		.0461	.2754						
.050	.0028			.2573	.3413	.3714	.3670		
.069								-.5235	
.080				.2060					
.081			.1940						
.086		.2082							
.094	.0384								
.150				.1685	.2123	.2315	.1857		
.157								-.3161	
.163		.2205							
.177			.1546						
.229	.1131								
.246		.1388							
.250				.1275	.1349	.1409	.0900		
.274			.1331						
.345								-.2213	
.362	.0000								
.390		.1332							
.400				.0556	.0476		.0126		
.402			.1075						
.418								-2.5632	
.497	.1276								
.503								-.2198	
.550				-.0558	-.0591				

ARC11-019 (A8) LVAP(ELHL SEALED) LEFT WING BOT.

(RETL:3)

ALPHA(6) = 10.456 BETA(1) = .002

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.0458						
.600							-.1260		
.617		-.0584							
.650						-.1376			
.670								-.3069	
.700	.0053				-.1519				
.725				-.0660					
.730								-1.5359	
.750						-.1050	-.2340		
.760									
.775				-.0399					
.790				.0002	-.0401				
.798		-.0390							
.808				-.0962					
.834	-.1391								
.850		-.1604							
.857				-.1785	-.1673	-.2547			
.862				-.1899					
.865								-.3322	
.879	-.1737								
.879		-.2054							
.900	-.2214			-.1826				-.2264	
.905				-.2042					
.919		-.1906							
.950				-.1158	-.1340	-.1177			
.953				-.1131					
.955		-.1266							
.965	-.1386								
1.000			.0102		.0122		-.0786		

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.400 RN/FT = 2.250
 ELV-18 = 8.000 ELV-09 = -4.000
 RUDDER = .000 SPOBRK = .000

ALPHA(1) = -6.312 BETA(1) = -4.066

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0367	-.0449	.2603	.5988	.5158	.4783	.4822	-.4251	
.010	.0454	-.1114	-.0173	-.2749	-.4214	-.3074	-.3116		
.020	.0097	-.1738	-.0226	-.4156	-.4617	-.4835	-.4988	-.4752	
.040		-.1823	-.0018						
.050	-.1020			-.4363	-.4937	-.5209	-.5370		
.069								-.4507	
.080				-.3985					
.081			-.1644						
.086		-.0225							
.094	-.0080								
.150				-.3607	-.4366	-.4583	-.4700		
.157								-.4247	
.163		.0431							
.177			-.0842						
.229	-.1547								
.246		-.1114							
.250				-.2393	-.4146	-.4477	-.4406		
.274			-.1969						
.345								-.3412	
.362	.0000								
.390		-.1015							
.400				.1397	.0483		-.2273		
.402			.1614						
.418								-.2955	
.497	-.0785								
.503								-.3517	
.550				.2608	.2531				
.565			.2745						
.600							-.2691		
.637		.2729							
.650						.1481			
.670								-.3350	
.700	.2414			.0362	.0822				
.725									
.730									
.750						-.1046	-.1778		-.2645
.760			-.0510						
.775				.1056	.0973				

ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL 14)

ALPHA0(1) = -6.312 BETA0 (1) = -4.066

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.798		-.1451				
.808			-.0330			
.834	-.2038					
.839		-.0530				
.850				-.0950	-.1242	-.2447
.857			-.1795			
.862						-.2936
.865	-.1556					
.879		-.1841				
.900	-.2297			-.2395		-.2378
.905			-.2824			
.919		-.3143				
.950				-.3584	-.2843	-.3225
.953			-.3549			
.955		-.3978				
.965	-.3611					
1.000		-.3818		-.2852		-.3344

ALPHA0(1) = -6.295 BETA0 (2) = -2.013

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.000	-.0112	-.0669	.1879	.5058	.4389	.4071	.4147	-.4269
.010	-.0055	-.1143	-.1073	-.3246	-.4607	-.3415	-.3515	
.020	-.0388	-.0840	-.1648	-.4546	-.5037	-.5117	-.5282	-.4093
.040		-.0524	-.0838					
.050	-.1354			-.4708	-.5289	-.5506	-.5531	
.069								-.3631
.080				-.4366				
.081			-.2098					
.086		-.0897						
.094	-.0686							
.150				-.3764	-.4750	-.4841	-.4993	
.157								-.3138
.163		-.0190						
.177			-.1623					
.229	-.0479							
.246		-.0570						
.250				-.2337	-.3913	-.4857	-.4523	
.274			-.1417					
.345								-.2788
.362	.0000							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(1) = -6.295 BETA(2) = -2.013

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		-.0899							
.400				.1129	.0217		-.2596		
.402			.1251						
.418									-.2146
.497	-.0972								
.503								-.3060	
.550				.2206	.2335				
.565			.2008						
.600							-.2000		
.637		.2192							
.650						.1240			
.670								-.2933	
.700	.1960				.0532				
.725				.0096					
.730									-.2550
.750						-.1288	-.2038		
.760			-.1029						
.775				.0713	.0600				
.798		-.1797							
.808			-.0816						
.834	-.1885								
.839		-.0759							
.850				-.1405	-.1445	-.2537			
.857			-.2270						
.862								-.2999	
.865	-.1415								
.879		-.1992							
.900	-.2488			-.2793				-.2964	
.905			-.3412						
.919		-.3416							
.950				-.3857	-.3094	-.3291			
.953			-.4062						
.955		-.4191							
.965	-.3602								
1.000			-.4128		-.3088		-.3234		

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0(1) = -6.258 BETA0(3) = .056

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.0560	-.1005	.1276	.4299	.3703	.3314	.3513	-.2578	
.010	-.0631	-.1428	-.1652	-.3570	-.4881	-.3841	-.3841		
.020	-.0848	-.1125	-.2255	-.4734	-.5300	-.5403	-.4748	-.2507	
.040		-.0842	-.1674						
.050	-.1736			-.4490	-.5433	-.4910	-.4471		
.069								-.2324	
.080				-.4269					
.081			-.2168						
.086		-.1299							
.094	-.0918								
.150				-.2132	-.5018	-.4639	-.4465		
.157								-.2110	
.163		-.0511							
.177			-.1952						
.229	-.1150								
.246		-.0783							
.250				-.0463	-.2156	-.4099	-.3733		
.274			-.0736						
.345								-.2151	
.362	.0000								
.390		.0220							
.400				.0852	.0125		-.3238		
.402			.0992						
.418								-.1655	
.497	-.0469								
.503								-.2532	
.550				.1610	.2016				
.565			.1264						
.600							-.3059		
.637		.1356							
.650						.1017			
.670								-.3170	
.700	.1294				.0122				
.725			-.0170						
.730								-.2306	
.750						-.1653	-.1410		
.760			-.1456						
.775				.0403	.0324				
.798		-.2238							
.808			-.1178						
.834	-.2206								
.839		-.1185							
.850				-.1722	-.1749	-.2798			
.857			-.2497						
.862								-.3341	

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(1) = -6.258 BETA(3) = .056

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.965	-.1867								
.973		-.2355							
.980	-.2996			-.3064				-.2531	
.985			-.3547						
.989		-.3748							
.990				-.4084	-.3302	-.3497			
.993			-.4388						
.995		-.4417							
.998	-.3466								
1.000		-.4200		-.3593			-.3011		

ALPHA(1) = -6.244 BETA(4) = 2.126

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1108	-.1353	-.1166	-.3712	-.3019	-.2721	-.2975	-.2162	
.010	-.1169	-.1589	-.0833	-.3763	-.5166	-.4103	-.3973		
.020	-.1273	-.1387	-.1105	-.4847	-.5520	-.4062	-.3650	-.2159	
.040		-.1249	-.2145						
.050	-.2027			-.4349	-.4927	-.3929	-.3597		
.069				-.4368				-.2063	
.080									
.081			-.2317						
.088		-.1618							
.094	-.1154								
.150				-.2127	-.4514	-.4168	-.3610		
.157								-.1930	
.163		-.1198							
.177			-.1199						
.229	-.1520								
.246		-.0788							
.250				.0915	-.2690	-.4140	-.3608		
.274			-.0082						
.345								-.2029	
.362	.0000								
.380		.0443							
.400				.0774	.0251		-.3283		
.402			.0836						
.418								-.1616	
.497	-.0232								
.503								-.2270	
.550				.0504	.0371				

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0 (1) = -6.244 BETA0 (4) = 2.126

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565		.0440				
.600					-.3370	
.637	.0675					
.650				.0882		
.670					-.3466	
.700	.0323		-.0136			
.725		-.0491				
.730						-.2185
.750				-.1892	-.1620	
.760		-.2039				
.775		-.0021	.0043			
.798	-.2574					
.808		-.1395				
.834	-.2576					
.839	-.1264					
.850		-.2091	-.2000	-.3008		
.857		-.2349				
.862					-.3033	
.865	-.2301					
.879	-.2479					
.900	-.2586		-.3302		-.2688	
.905		-.3627				
.919	-.3400					
.950		-.4194	-.3381	-.3635		
.953		-.4402				
.955	-.3635					
.965	-.2986					
1.000		-.3764	-.3877		-.2685	

ALPHA0(1) = -6.233 BETA0(5) = 4.187

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.000	-.1679	-.1654	.0997	.3235	.2455	.2393	.2611	-.2239
.010	-.1715	-.1584	-.1016	-.4256	-.4657	-.3635	-.3927	
.020	-.1761	-.1424	-.1404	-.4451	-.4435	-.3084	-.3554	-.2227
.040		-.1383	-.2473					
.050	-.2316			-.4243	-.4327	-.3118	-.3499	
.069								-.2165
.080				-.3785				
.081			-.1056					
.086		-.1313						

TABLE A - PRESSURE SOURCE DATA TABULATION

(RETL14)

ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING BOT.

ALPHA0(1) = -6.233 BETA0(5) = 4.187

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	-.1620					
.150			-.1790	-.3833	-.3443	-.3539
.157						-.2153
.163	-.1556					
.177		-.0903				
.229	-.1523					
.246	-.0312					
.250			.0533	-.0373	-.3998	-.3302
.274		.0376				
.345						-.2244
.362	.0000					
.390		.0679				
.400			.0542	.0212		-.3234
.402		.0820				
.418						-.1777
.497	.0232					
.503						-.2723
.550			.0102	-.0203		
.565		.0289				
.600					-.2515	
.637	.0403					
.650					.0682	
.670						-.3633
.700	-.0192			-.0386		
.725			-.1387			
.730						-.2208
.750					-.2007	-.1381
.760		-.2727				
.775			-.0756	-.0271		
.798	-.2147					
.808		-.1541				
.834	-.2585					
.839	-.1745					
.850			-.2254	-.2171	-.3167	
.857		-.2564				
.862						-.3377
.865	-.2490					
.879	-.2701					
.900	-.2625		-.3284			-.2859
.905		-.3565				
.919	-.3212					
.950			-.4131	-.3487	-.3840	
.953		-.3994				
.955	-.3289					
.965	-.2807					

ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0 (1) = -6.233 BETA0 (5) = 4.187

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH			
1.000	-.2783	-.4028	-.2357

ALPHA0(2) = -4.204 BETA0 (1) = 5.151

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH								
.000	.0759	-.0222	.3180	.6655	.6097	.5815	.5937	-.3250
.010	.0844	-.0679	.0780	-.1804	-.3166	-.2391	-.2064	
.020	.0429	-.1269	.0328	-.3190	-.3741	-.4081	-.4230	-.4245
.040		-.0916	.0587					
.050	-.0725			-.3327	-.4054	-.4409	-.4554	
.069				-.2936				-.3789
.080								
.081			-.1208					
.086		-.0128						
.094	.0209							
.150				-.2040	-.3331	-.3826	-.3845	
.157								-.3693
.163		.1298						
.177			-.0556					
.229	-.1439							
.246		-.0071						
.250				-.1783	-.2884	-.3348	-.3752	
.274			-.2054					
.345								-.2961
.362	.0000							
.380		-.0516						
.400				.2450	.2306		-.0116	
.402			.2279					
.418								
.497	-.0246							
.503								-.2980
.550				.3737	.3352			
.565			.3921					
.600							-.0596	
.637		.4136						
.650						.1983		
.670								-.1886
.700	.4222				.1254			
.725				.0912				
.730								
.750						-.0917	-.1030	

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[AB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 [AB1 LVAP (ELML SEALED) LEFT WING BOT.

(RETL14)

ALPHA(2) = -4.204 BETA(1) = -6.151

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.760			-.0203						
.775				.1681	.1789				
.798		-.1042							
.808			.0175						
.834	-.1787								
.839		-.0671							
.850				-.0373	-.0853	-.2216			
.857			-.1686						
.862								-.2266	
.865	-.1537								
.879		-.1493							
.900	-.2023			-.2003				-.2221	
.905			-.2984						
.919		-.2742							
.950				-.3350	-.3041	-.3083			
.953			-.3599						
.955		-.3700							
.965	-.3492								
1.000			-.3890		-.3063			-.3457	

ALPHA(2) = -4.193 BETA(2) = -4.092

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.000	.0333	-.0526	.2849	.6079	.5502	.5264	.5402	-.3560	
.010	.0385	-.0930	.1367	-.2180	-.3515	-.2675	-.2357		
.020	.0059	-.1544	.1423	-.3532	-.4011	-.4348	-.4392	-.4136	
.040		-.1160	-.0280						
.050	-.0977			-.3681	-.4314	-.4664	-.4689		
.069								-.3925	
.080				-.3315					
.081			-.1653						
.086		-.0284							
.094	-.0142								
.150				-.2588	-.3614	-.3955	-.4150		
.157								-.3610	
.163		.0466							
.177			-.0867						
.229	-.1135								
.246		-.0754							
.250			-.2127	-.3289	-.3553	-.3709			
.274			-.1722						

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0 (2) = -4.193 BETA0 (2) = -4.092

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.2991	
.362	.0000								
.390		-.0933							
.400				.2228	.2192		-.0343		
.402			.2004						
.418								-.1724	
.497	-.0715								
.503								-.3009	
.550				.3401	.3070				
.565			.3371						
.600							-.0754		
.637		.3489							
.650					.1783			-.1948	
.670									
.700	.3232				.0991				
.725				.0675					
.730								-.1612	
.750						-.1088	-.0689		
.760			-.0449						
.775				.1418	.1397				
.798		-.1248							
.808			-.0246						
.834	-.2448								
.839		-.1143							
.850				-.0642	-.1119	-.2339			
.857			-.1925						
.862								-.2441	
.865	-.1281								
.879		-.2089							
.900	-.2320			-.2145			-.2484		
.905			-.3295						
.919		-.3121							
.950				-.3462	-.3086	-.3221			
.953			-.3944						
.955		-.3930							
.965	-.3657								
1.000			-.4109		-.2987		-.3449		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP (ELML SEALED) LEFT WING BOT.

(RETL14)

ALPHA(2) = -4.164 BETA(3) = .031

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0612	-.1019	.1660	.4745	.4361	.4224	.4306	-.3448	
.010	-.0647	-.1296	-.0686	-.2896	-.4115	-.3178	-.2969		
.020	-.0846	-.1031	-.0990	-.4127	-.4553	-.4769	-.4823	-.3212	
.040		-.0756	-.0686						
.050	-.1748			-.4043	-.4755	-.4853	-.4845		
.069				-.3677				-.2679	
.080									
.081			-.2006						
.086		-.1138							
.094	-.0718								
.150				-.1873	-.4195	-.4439	-.4256		
.157								-.2196	
.163		-.0286							
.177			-.1581						
.229	-.1277								
.246		-.0602							
.250				.0543	-.0413	-.2200	-.3591		
.274			-.0108						
.345								-.2543	
.362	.0000								
.390		.0818							
.400				.1349	.1127		-.1651		
.402			.1611						
.418								-.1295	
.497	-.0104								
.503								-.3104	
.550				.2050	.2452				
.565			.1796						
.600						.0785			
.637		.1913							
.650					.1127				
.670								-.2466	
.700	.1766				.0411				
.725				-.0040					
.730								-.1980	
.750						-.1471	-.1177		
.760			-.1130						
.775				.0580	.0898				
.798		-.1969							
.808			-.1030						
.834	-.2443								
.839		-.1186							
.850				-.1479	-.1561	-.2634			
.857			-.2474						
.862								-.2445	

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHAQ(2) = -4.164 BETAQ(3) = .031

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-1.1757								
.879		-.2272							
.908	-.2890			-.2872			-.3030		
.905			-.3531						
.919		-.3574							
.950				-.3969	-.3320	-.3468			
.953			-.4238						
.955		-.4335							
.965	-.3518								
1.000			-.4231	-.3407			-.3290		

ALPHAQ(2) = -4.142 BETAQ(4) = 4.151

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1860	-.1592	.1278	.3782	.3469	.3354	.3389	-.3100	
.010	-.1809	-.1419	-.0357	-.2729	-.4191	-.3465	-.3293		
.020	-.1821	-.1331	-.0804	-.2722	-.3973	-.4205	-.4473	-.2973	
.040		-.1328	-.1785						
.050	-.2194			-.1992	-.3691	-.3944	-.4037		
.069								-.2781	
.080				-.1474					
.081			-.0323						
.086		-.1028							
.094	-.1803								
.150				.0923	-.0822	-.2897	-.3529		
.157								-.2583	
.163		-.1183							
.177			-.0313						
.229	-.1353								
.246		.0150							
.250				.0813	-.0139	-.0598	-.3143		
.274			.1022						
.345								-.2824	
.362	.0000								
.390		.1275							
.400				.0972	.0359		-.0637		
.402			.1106						
.418								-.1797	
.497	.0666								
.503				.0512	.0065			-.1963	
.550									

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(2) = -4.142 BETA(4) = 4.151

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.0465						
.600							.0974		
.637		.0632							
.650						.0694			
.670								-.1960	
.700	.0229				-.0065				
.725				-.0887					
.730									-.1874
.750						-.1877	-.1517		
.760			-.2545						
.775				-.0286	.0263				
.798		-.2015							
.808			-.1370						
.834	-.2508								
.839		-.1535							
.850				-.2115	-.2068	-.3073			
.857			-.2395						
.862								-.2512	
.865	-.2249								
.879		-.2608							
.900	-.2566			-.3175			-.3382		
.905			-.3492						
.919		-.3158							
.950				-.4063	-.3511	-.3786			
.953			-.3967						
.955		-.3236							
.965	-.2705								
1.000			-.2779		-.3997		-.2418		

ALPHA(2) = -4.129 BETA(5) = 6.220

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2530	-.1748	.0795	.3691	.3269	.2722	.2789	-.2407	
.010	-.2526	-.1543	-.0421	-.2850	-.3936	-.3741	-.3595		
.020	-.2493	-.1540	-.0206	-.2906	-.3666	-.4091	-.3828	-.2354	
.040		-.1495	-.0181						
.050	-.2343			-.1986	-.3225	-.3952	-.3775		
.069								-.2264	
.080				-.1258					
.081			-.0571						
.086		-.1127							

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OF POOR QUALITY

ARC11-019 1A01 LVAP(ELHL SEALED) LEFT WING BOT.

{RETL14}

ALPHA0(2) = -4.129 BETA0 (5) = 6.220

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	-.2102					
.150			.0699	-.0699	-.2522	-.3592
.157						-.2184
.163	-.0036					
.177		-.0018				
.229	-.1426					
.246	-.0123					
.250			.0560	-.0183	-.0308	-.2859
.274		.0885				
.345						-.2831
.362	.0000					
.390	.1141					
.400			.0674	.0272		-.0482
.402		.1066				
.418						-.1701
.497	.0661					
.503						-.2404
.550			.0179	-.0044		
.565		.0344				
.600					.0999	
.637	.0436					
.650					.0433	
.670						-.1796
.700	-.0457			-.0707		
.725			-.2082			
.730						-.2079
.750					-.2209	-.1743
.760		-.2677				
.775			-.1444	-.0273		
.798	-.1963					
.808		-.1684				
.834	-.2520					
.839	-.2043					
.850			-.2381	-.2317	-.3415	
.857		-.2874				
.862						-.2736
.865	-.2462					
.879	-.2721					
.900	-.2538		-.3374			-.3609
.905		-.3646				
.919	-.3095					
.950			-.4119	-.3531	-.4045	
.953		-.3706				
.955	-.3061					
.965	-.2678					

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0(2) = -4.129 BETA0 (5) = 6.220

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW
1.000 -.2040 -.3871 -.2146

ALPHA0(3) = -2.093 BETA0 (1) = -6.169

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW	CP	CP	CP	CP	CP	CP	CP	CP	CP
.000	.0689	-.0389	.3377	.6941	.6557	.6332	.6469	-.2047	
.010	.1103	-.0708	.1722	-.1072	-.2379	-.1767	-.1068		
.020	.0627	-.1045	.2631	-.2451	-.2931	-.3184	-.3304	-.2427	
.040		-.0585	.0632						
.050	-.0583			-.2314	-.3139	-.3491	-.3598		
.069								-.2189	
.080				-.2057					
.081			-.0914						
.086		-.0181							
.094	.0405								
.150				-.1474	-.2338	-.2685	-.2716		
.157								-.1685	
.163		.1516							
.177			-.0458						
.229	-.1391								
.246		.0194							
.250				-.1456	-.1922	-.2322	-.2542		
.274			-.1679						
.345								-.0858	
.362	.0000								
.390		-.0311							
.400				.3698	.3925		.1184		
.402			.3137						
.418									-.0234
.497	-.0104								
.503								-.0283	
.550				.4178	.3542				
.565			.4408						
.600							.2152		
.637		.4606							
.650					.2075				
.670								-.0824	
.700	.4902			.1326					
.725			.1070						
.730									-.1628
.750					-.1065	-.0568			

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL 14)

ALPHA0(3) = -2.093 BETA0(1) = -6.169

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.760			-.0030						
.775				.1947	.2097				
.798		-.0861							
.808			.0395						
.834	-.2236								
.839		-.0902							
.850				-.0206	-.0777	-.2164			
.857			-.1620						
.862								-.1845	
.865	-.1397								
.879		-.1821							
.900	-.2080			-.1901			-.2529		
.905			-.3085						
.919		-.2851							
.950				-.3294	-.2909	-.3128			
.953			-.3897						
.955		-.3791							
.965	-.3511								
1.000			-.3962		-.3351		-.3587		

ALPHA0 (3) = -2.078 BETA0 (2) = -2.063

SECTION () LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.000	-.0222	-.0863	.2687	.5863	.5592	.5354	.5494	-.2440		
.010	-.0060	-.0664	.1474	-.1842	-.2936	-.2316	-.1797			
.020	-.0348	-.0449	.1446	-.3140	-.3536	-.3756	-.3847	-.2428		
.040		-.0247	-.0246							
.050	-.1008			-.3122	-.3760	-.4029	-.4139			
.069								-.1805		
.080				-.2622						
.081			-.1665							
.086		-.0784								
.094	-.0647									
.150				-.1296	-.3007	-.3159	-.3238			
.157								-.1210		
.163		.0215								
.177			-.0955							
.229	-.0552									
.246		.0037								
.250				-.0206	-.0207	-.1568	-.2651			
.274			-.0202							



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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(NETL14)

ALPHA0(3) = -2.078 BETA0 (2) = -2.063.

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/94	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.345

.362

.390

.400

.402

.418

.497
587

.503
FFA

.550
EEF

.565
700

650
677

057
FEB

630
630

200

725

730

750

.760

.775

.798

. 808

034

.B39

.E50

.B57

.862

.865

.879

.900

.905

.919

.950

.953
OFF

.955
OFF

963
000

1.000

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0(3) = -2.057 BETA0 (3) = 2.077

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BM	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1429	-.1440	.2038	.4902	.4682	.4500	.4583	-.2564	
.010	-.1377	-.1270	.0958	-.2332	-.3165	-.2634	-.2137		
.020	-.1402	-.0945	.0470	-.3283	-.3479	-.3713	-.3966	-.2371	
.040		-.0910	-.1017						
.050	-.1993			-.2351	-.2774	-.3111	-.3262		
.069								-.2226	
.080				-.0842					
.081			-.0441						
.086		-.0992							
.094	-.1289								
.150				.0742	.0078	-.0922	-.2376		
.157								-.1854	
.163		-.0746							
.177			-.0100						
.229	-.1173								
.246		.0363							
.250				.1332	.0482	.0104	-.1194		
.274			.1302						
.345								.0458	
.362	.0000								
.390		.1564							
.400				.1164	.0835		.0480		
.402			.1506						
.418									-.0807
.497	.1118								
.503								.0892	
.550				.1618	.2488				
.565			.1174						
.600							.1376		
.637		.1248							
.650					.1108				
.670								-.1759	
.700	.1146				.0212				
.725				-.0438					
.730									-.2663
.750						-.1691	-.1296		
.760			-.1681						
.775				.0139	.0792				
.798		-.2482							
.808			-.1255						
.834	-.2139								
.839		-.1158							
.850				-.1789	-.1729	-.2887			
.857			-.2522						
.862								-.2694	

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(3) = -2.057 BETA(3) = 2.077

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.865	-.1947								
.879		-.2493							
.900	-.2733			-.3103			-.3351		
.905			-.3609						
.919		-.3595							
.950				-.4135	-.3493	-.3715			
.953			-.4388						
.955		-.3957							
.965	-.2986								
1.000			-.3812		-.3651		-.3487		

ALPHA(3) = -2.039 BETA(4) = 6.185

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2891	-.1592	.1677	.4486	.4035	.3622	.3541	-.2176	
.010	-.2792	-.1505	.1468	-.1353	-.2731	-.2746	-.2502		
.020	-.2625	-.1423	.1330	-.1103	-.2191	-.3269	-.3944	-.2022	
.040		-.1322	.0587						
.050	-.1908			-.0553	-.1834	-.2805	-.3268		
.069								-.1845	
.080				.1317					
.081			.0262						
.086		-.0987							
.094	-.2384								
.150				.0300	-.0107	-.0253	-.1683		
.157								-.1672	
.163		.0874							
.177			.0784						
.229	-.1384								
.246		.0325							
.250				.0792	.0374	-.0051	-.0581		
.274			.1115						
.345								.1059	
.362	.0000								
.390		.1411							
.400				.1104	.0777		.0345		
.402			.1324						
.418									-.1437
.497	.0984								
.503								.0304	
.550				.0569	.0542				

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(3) = -2.039 BETA(4) = 6.185

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.565				.0600						
.600								.0831		
.637			.0597							
.650							.0548			
.670									-.2480	
.700	-.0049					-.0461				
.725					-.1455					
.730										-.2846
.750							-.2216	-.1833		
.760			-.2339							
.775				-.0794	-.0003					
.798		-.1679								
.808			-.1284							
.834	-.2335									
.839		-.1741								
.850				-.2079	-.2247	-.3423				
.857			-.2514							
.862									-.3276	
.865	-.2226									
.879		-.2490								
.900	-.2332			-.3168				-.3811		
.905			-.3348							
.919		-.2901								
.950				-.3977	-.3519	-.4208				
.953			-.3529							
.955		-.2883								
.965	-.2520									
1.000			-.2170		-.3857		-.2879			

ALPHA(4) = .021 BETA(1) = -6.181

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000		.0573	-.0529	.4181	.7228	.7027	.6821	.6859	.0401	
.010		.1234	-.0488	.3645	-.0198	-.1502	-.0871	.0158		
.020		.0782	-.0434	.3145	-.1525	-.1639	-.1991	-.2367	.0472	
.040			.0001	.1031						
.050	-.0484				-.1230	-.1519	-.2136	-.2182		
.069									.0825	
.080					-.1075					
.081			-.0375							
.086		-.0131								

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(4) = .021 BETA(1) = -6.181

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.094	.0486								
.150				-.0588	-.1111	-.1317	-.1468		
.157								.1141	
.163		.1745							
.177			-.0281						
.229	-.0713								
.246		.0921							
.250				-.1041	.0660	.2308	.2097		
.274			.0181						
.345								.2085	
.362	.0000								
.390		.0606							
.400				.4759	.4735		.3515		
.402			.4304						
.418									-.0574
.497	.0004								
.503								.1413	
.550				.4471	.3766				
.565			.4773						
.600							.1949		
.637		.5037							
.650						.2045			
.670								-.1462	
.700	.5499				.1373				
.725			.1197						
.730									-.3388
.750						-.1152	-.0896		
.760			.0160						
.775				.2022	.2367				
.798		-.0646							
.808			.0525						
.834	-.2301								
.839		-.0807							
.850				-.0097	-.0756	-.2261			
.857			-.1502						
.862								-.2292	
.865	-.1803								
.879		-.2179							
.900	-.2209			-.1816			-.2627		
.905			-.3036						
.919		-.2877							
.950				-.3240	-.2926	-.3240			
.953			-.4001						
.955		-.3799							
.965	-.3537								

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(4) = .021 BETA(1) = -6.181

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

1.000

-.3998

-.3811

-.3734

ALPHA(4) = .023 BETA(2) = -4.121

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000

.010

.020

.040

.050

.069

.080

.081

.086

.094

.150

.157

.163

.177

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.246

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.345

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.400

.402

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.637

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.670

.700

.725

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.750

.0252

.0318

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.0389

-.0779

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.725

.730

.750

.0252

.0318

.0041

.0254

.0389

-.0779

.069

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB: LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0 (4) = .023 BETA0 (2) = -4.121

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.0009						
.775				.1872	.2080				
.798		-.0739							
.808			.0278						
.834	-.2400								
.839		-.0930							
.850				-.0280	-.0832	-.2321			
.857			-.1659						
.862								-.2377	
.865	-.1568								
.879		-.2202							
.900	-.2306			-.1883			-.2881		
.905			-.3115						
.919		-.2969							
.950				-.3266	-.2973	-.3294			
.953			-.4019						
.955		-.3827							
.965	-.3527								
1.000			-.4097		-.3419		+.3754		

ALPHA0 (4) = .027 BETA0 (3) = -2.070

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.0379	-.1064	.3227	.6344	.6149	.5849	.5924	-.0287	
.010	-.0242	-.0645	.2475	-.0901	-.2019	-.1514	-.0617		
.020	-.0428	-.0392	.1944	-.2112	-.2292	-.2593	-.2901	-.0076	
.040		-.0355	.0136						
.050	-.0425			-.1084	-.2019	-.2738	-.2727		
.069								.0178	
.080				-.0963					
.081			-.0658						
.086		-.0679							
.094	-.0523								
.150				-.1176	-.1358	-.1890	-.2228		
.157								.0299	
.163		.0371							
.177			-.0899						
.229	-.0459								
.246		.0119							
.250				.1910	.1738	.1317	.1085		
.274			.0735						

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0(4) = .027 BETA0 (3) = -2.070

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								.2162	
.362	.0000								
.390		.1624							
.400				.3034	.4058		.3472		
.402			.3152						
.418									-.1824
.497	.0791							.1187	
.503				.3902	.3526				
.550									
.565			.3652						
.600							.1788		
.637		.3623							
.650						.1797			
.670								-.1717	
.700	.3612				.1071				
.725				.0766					
.730									-.4020
.750						-.1283	-.1030		
.760			-.0352						
.775				.1439	.1823				
.798		-.1030							
.808			-.0167						
.834	-.2412								
.839		-.1157							
.850				-.0638	-.1056	-.2451			
.857			-.1979						
.862								-.2600	
.865	-.1583								
.879		-.2248							
.900	-.2455			-.2208			-.3095		
.905			-.3321						
.919		-.3147							
.950				-.3405	-.3264	-.3452			
.953			-.4030						
.955		-.3935							
.965	-.3681								
1.000			-.4177		-.3146		-.3909		

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0(4) = .027 BETA0 (4) = -.007

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.0702	-.1578	.2166	.5658	.5550	.5338	.5503	-.0698	
.010	-.0687	-.1445	.2323	-.1293	-.2409	-.1935	-.0853		
.020	-.0834	-.0352	.1791	-.2365	-.2764	-.2661	-.3016	-.0587	
.040		-.0247	-.0007						
.050	-.1531			-.1458	-.2263	-.2090	-.2160		
.069								-.0416	
.080				-.0995					
.081			-.1172						
.086		-.1019							
.094	-.0809								
.150				-.0348	.0780	.0296	-.0831		
.157								.0656	
.163		.0227							
.177			-.0774						
.229	-.0975								
.246		.0266							
.250				.2123	.1659	.1113	.0553		
.274			.2029						
.345								.1566	
.362	.0000								
.390		.2220							
.400				.2291	.2432		.3062		
.402			.2398						
.418								-.1610	
.497	.1493								
.503								.0674	
.550				.3276	.3164				
.565			.2674						
.600							.1507		
.637		.2696							
.650					.1532				
.670								-.2093	
.700	.2655				.0726				
.725				.0267					
.730								-.3993	
.750						-.1498	-.1282		
.760			-.0649						
.775				.0920	.1337				
.798		-.1557							
.808			-.0818						
.834	-.2534								
.839		-.1440							
.850				-.1095	-.1417	-.2709			
.857			-.2380						
.862								-.2914	

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(4) = .027 BETA(4) = -.007

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.1757								
.879		-.2393							
.900	-.2788			-.2646			-.3329		
.905			-.3592						
.919		-.3489							
.950				-.3833	-.3533	-.3706			
.953			-.4256						
.955		-.4272							
.965	-.3714								
1.000			-.4353		-.3306		-.4040		

ALPHA(4) = .038 BETA(5) = 4.112

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2164	-.1556	.2169	.5397	.4992	.4685	.4607	-.0664	
.010	-.2001	-.1364	.2106	.0640	-.0797	-.1293	-.0731		
.020	-.1857	-.1212	.2115	.0500	-.0368	-.1497	-.2368	-.0525	
.040		-.1127	.1312						
.050	-.1616			.0692	-.0728	-.0884	-.1450		
.069								-.0590	
.080				.0596					
.081			.0632						
.086		-.0654							
.094	-.1830								
.150				.0978	.0779	.0643	.0234		
.157								.0078	
.163		.0938							
.177			.1216						
.229	-.1052								
.246		.0835							
.250				.1273	.0819	.0640	.0234		
.274			.1663						
.345								.0971	
.362	.0000								
.390		.1906							
.400				.1552	.1354		.2483		
.402			.1731						
.418									-.1997
.497	.1426								
.503								.0135	
.550				.1574	.2416				

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ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(4) = .038 BETA(5) = 4.112

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.1134						
.600							.0971		
.637		.1104							
.650						.0854			
.670									
.700	.0968				-.0042			-.2628	
.725			-.0772						
.730									-.4456
.750					-.2027	-.1733			
.760			-.2129						
.775				-.0300	.0509				
.798		-.1610							
.808			-.1077						
.834	-.2034								
.839		-.1291							
.850			-.2033	-.1971	-.3218				
.857			-.2304						
.862								-.3419	
.865	-.1854								
.879		-.2538							
.900	-.2501			-.3152			-.3700		
.905			-.3566						
.919		-.3272							
.950				-.4078	-.3624	-.4108			
.953			-.4184						
.955		-.3328							
.965	-.2707								
1.000			-.2988		-.3816		-.3954		

ALPHA(4) = .051 BETA(6) = 6.174

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2972	-.1637	.1971	.5207	.4650	.4196	.4182	-.0560	
.010	-.2782	-.1703	.2042	.1522	-.0699	-.1382	-.0996		
.020	-.2535	-.1435	.1852	.1324	-.0773	-.1459	-.2408	-.0430	
.040		-.1312	.1249						
.050	-.1931			.0551	-.0575	-.0917	-.1487		
.069								-.0510	
.080				.0378					
.081			.0724						
.086		-.0867							

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RET L14)

ALPHA0(4) = .051 BETA0 (6) = 6.174

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.094	-.2456					
.150			.0995	.0583	.0390	.0518
.157						.0682
.163		.1115				
.177			.1230			
.229	-.1299					
.246		.0750				
.250			.1215	.0884	.0707	.0372
.274			.1480			
.345						.0487
.362	.0000					
.390		.1707				
.400			.1398	.1231		.2301
.402			.1655			
.418						
.497	.1360					-.2644
.503						
.550			.0852	.1745		-.0229
.565		.0864				
.600					.0635	
.637		.0821				
.650				.0573		
.570						-.2907
.700	.0136			-.0396		
.725			-.1346			
.730						-.4493
.750					-.2290	-.2015
.760		-.1985				
.775			-.0760	.0087		
.798		-.1397				
.808		-.1042				
.834	-.2160					
.839		-.1466				
.850			-.1972	-.2196	-.3485	
.857		-.2351				
.862						-.3673
.865	-.2114					
.879		-.2401				
.900	-.2242		-.3077			-.3901
.905		-.3328				
.919		-.2903				
.950			-.3909	-.3560	-.4319	
.953		-.3463				
.955		-.2857				
.965	-.2451					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(4) = .051 BETA(6) = 6.174

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW
1.000 -.2426 -.3705 -.3851

ALPHA(5) = 2.131 BETA(1) = -6.166

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW	CP	CP	CP	CP	CP	CP	CP	CP	CP
.000	.0046	-.0437	.4477	.7448	.7402	.7194	.7217	.2112	
.010	.1183	-.0285	.4069	.0859	.0327	.0646	.1676		
.020	.0833	.0277	.3423	.0299	.0659	-.0314	.0926	.2537	
.040		.0728	.1384						
.050	-.0347			-.0370	-.0893	-.0270	.1750		
.069								.2298	
.080				.0110					
.081			.0089						
.086		.0169							
.094	.0665								
.150				-.0277	.0386	.2918	.3482		
.157								.2208	
.163		.1605							
.177			.0095						
.229	.0129								
.246		.1344							
.250				.4391	.4768	.4435	.3291		
.274			.1762						
.345								.1784	
.362	.0000								
.390		.3226							
.400				.5134	.4827		.3313		
.402			.5077						
.418									-.1940
.497	.1028								
.503								.1088	
.550				.4611	.3774				
.565		.5028							
.600							.1781		
.637	.5275								
.650					.1960				
.670								-.1723	
.700	.5855			.1394					
.725			.1317						
.730									-.5135
.750					-.1196	-.0934			

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(5) = 2.131 BETA(1) = -6.166

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.760			.0298						
	.775				.2131	.2388				
	.798		-.0519							
	.808			.0654						
	.834	-.2195								
	.839		-.0720							
	.850				.0059	-.0633	-.2243			
	.857			-.1353						
	.862								-.2525	
	.865	-.1637								
	.879		-.2051							
	.900	-.2033			-.1729			-.2899		
	.905			-.2945						
	.919		-.2772							
	.950				-.3178	-.2867	-.3241			
	.953			-.3873						
	.955		-.3694							
	.965	-.3346								
	1.000			-.3923		-.4099		-.4261		

ALPHA(5) = 2.132 BETA(2) = -2.063

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.000	-.0501	-.1255	.3395	.6641	.6523	.6309	.6316	.1713	
	.010	-.0340	-.0668	.3150	.0859	-.0348	-.0081	.0810		
	.020	-.0508	-.0564	.2671	.0460	.0096	-.0778	-.1074	.2042	
	.040		-.0523	.1172						
	.050	-.0499			-.0496	-.1277	-.0291	.0370		
	.069								.2079	
	.080				-.0564					
	.081			.0758						
	.086		-.0535							
	.094	-.0191								
	.150				-.0030	.1279	.2085	.2147		
	.157								.1912	
	.163		.1124							
	.177			.0264						
	.229	-.0408								
	.246		.0210							
	.250				.3123	.2426	.2775	.3317		
	.274			.2327						

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(5) = 2.132 BETA(2) = -2.063

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								.1363	
.362	.0000								
.390		.2782							
.400				.3586	.4426		.3199		
.402			.3366						
.418									-.2688
.497	.1641								
.503								.0684	
.550				.4023	.3614				
.565			.3902						
.600							.1530		
.637		.3851							
.650						.1721			
.670								-.2105	
.700	.3944				.1163				
.725				.0848					
.730									-.5675
.750						-.1435	-.1202		
.760			-.0347						
.775				.1509	.2086				
.798		-.1008							
.808			-.0062						
.834	-.2243								
.839		-.1083							
.850				-.0532	-.0899	-.2548			
.857			-.1890						
.862								-.2918	
.865	-.1399								
.879		-.2093							
.900	-.2396			-.2116			-.3202		
.905			-.3249						
.919		-.3084							
.950				-.3349	-.3121	-.3586			
.953			-.3963						
.955		-.3906							
.965	-.3646								
1.000			-.4185		-.3223		-.4319		

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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL 14)

ALPHA0(5) = 2.136 BETA0 (3) = 2.054

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8670	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1226	-.2225	.2412	.5866	.5935	.5744	.5454	.0173
.010	-.1072	-.1476	.2359	.2013	.1105	.0895	.1091	
.020	-.1039	-.0846	.1959	.1673	.1098	.0496	-.0308	.0606
.040		-.0770	.1033					
.050	-.0761			.1156	.0599	.0616	.0206	
.069								.0718
.080				.1109				
.081			.1510					
.086		-.0131						
.094	-.1057							
.150				.2010	.1318	.1098	.0902	
.157								.1909
.163		.0659						
.177			.1307					
.229	-.0642							
.246		.1611						
.250				.1830	.1473	.1209	.0925	
.274			.2027					
.345								.1111
.362	.0000							
.390		.2285						
.400				.2078	.2313		.3372	
.402			.2231					
.418								
.497	.1932							
.503								.0411
.550				.2793	.3061			
.565			.2153					
.600							.1318	
.637		.2035						
.650						.1395		
.670								-.2503
.700	.1877				.0527			
.725				-.0070				
.730								
.750								
.760			-.1317			-.1748	-.1500	
.775				.0376	.1167			
.798		-.2162						
.808			-.1233					
.834	-.2101							
.839		-.1435						
.850				-.1362	-.1575	-.2912		
.857			-.2659					
.862								-.3338

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(5) = 2.136 BETA(3) = 2.064

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.1829								
.879		-.2351							
.900	-.2602			-.2815				-.3514	
.905			-.3410						
.919		-.3517							
.950				-.3952	-.3612	-.3949			
.953			-.4150						
.955		-.4028							
.965	-.3009								
1.000			-.3850		-.3482		-.4424		

ALPHA(5) = 2.148 BETA(4) = 6.175

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3074	-.2311	.1914	.5094	.4961	.4678	.4519	-.0338	
.010	-.2776	-.2315	.2536	.2422	.1270	.0968	.1366		
.020	-.2342	-.1734	.2702	.1934	.1161	.0692	.0400	.0195	
.040		-.1484	.2267						
.050	-.1655			.1499	.0513	.0791	.0713		
.069								.0372	
.080				.1654					
.081			.1516						
.086		-.0240							
.094	-.2000								
.150				.1449	.1229	.1233	.1164		
.157								.0731	
.163		.1484							
.177			.1691						
.229	-.1316								
.246		.1347							
.250				.1633	.1535	.1540	.1445		
.274			.1841						
.345								.0155	
.362	.0000								
.390		.2097							
.400				.1698	.1964		.2134		
.402			.1910						
.418									-.4892
.497	.1786								
.503									-.0398
.550				.1291	.1738				

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0(5) = 2.148 BETA0 (4) = 6.175

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.1018						
.600							.0444		
.637		.1037							
.650						.0431			
.670								-.3065	
.700	.0301				-.0542				
.725				-.1325					
.730									-.5971
.750						-.2463	-.2144		
.760			-.1864						
.775				-.0750	-.0009				
.798		-.1156							
.808			-.1006						
.834	-.2025								
.839		-.1351							
.850				-.1972	-.2261	-.3575			
.857			-.2371						
.862								-.3875	
.865	-.1988								
.879		-.2334							
.900	-.2141			-.3099			-.3980		
.905			-.3367						
.919		-.2823							
.950				-.3915	-.3629	-.4442			
.953			-.3110						
.955		-.2705							
.965	-.2381								
1.000			-.2459		-.3567		-.4427		

ALPHA0(6) = 4.219 BETA0 (1) = -6.143

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0126	-.0470	.4220	.7582	.7838	.7899	.7591	.1440	
.010	.1264	.0463	.4213	.2338	.2452	.4341	.5146		
.020	.0934	.0958	.3647	.1625	.2498	.3533	.3964	.2342	
.040		.0939	.1675						
.050	-.0293			.0962	.2284	.3136	.3875		
.069								.2407	
.080				.0841					
.081			.0422						
.088		.0425							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(6) = 4.219 BETA(1) = -6.143

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.094	.0549									
.150				.2803	.3703	.3682	.3741			
.157								.2264		
.163		.1421								
.177			.0406							
.229	.1178									
.246		.1442								
.250				.3981	.3818	.4178	.3470			
.274			.4066							
.345								.1893		
.362	.0000									
.390		.4245								
.400				.4678	.4691		.3420			
.402			.4731							
.418										-.3443
.497	.3701									
.503								.1285		
.550				.4396	.3703					
.565			.4731							
.600							.1862			
.637		.5062								
.650						.1990				
.670								-.1733		
.700	.5715				.1365					
.725				.1284						
.730										-.6010
.750						-.1209	-.0946			
.760			.0128							
.775				.2155	.2300					
.798		-.0602								
.808			.0634							
.834	-.2379									
.839		-.0841								
.850				-.0063	-.0684	-.2297				
.857			-.1454							
.862								-.2567		
.865	-.1409									
.879		-.2165								
.900	-.2026			-.1758			-.2997			
.905			-.3007							
.919		-.2793								
.950				-.3146	-.2823	-.3370				
.953			-.3935							
.955		-.3578								
.965	-.3228									

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(6) = 4.218 BETA(2) = -4.089

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.760			-.0076					
.775				.1867	.2134			
.798		-.0791						
.808			.0318					
.834	-.2143							
.839		-.0878						
.850				-.0238	-.0793	-.2424		
.857			-.1657					
.862								-.2759
.865	-.1399							
.879		-.2214						
.900	-.2207			-.1927			-.3099	
.905			-.3138					
.919		-.2991						
.950				-.3249	-.2996	-.3476		
.953			-.3970					
.955		-.3625						
.965	-.3313							
1.000			-.4010	-.4114		-.4744		

ALPHA(6) = 4.218 BETA(3) = .008

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.0859	-.1794	.2665	.6582	.6553	.6294	.5892	.0375
.010	-.0610	-.1234	.3002	.3609	.2842	.3050	.3332	
.020	-.0650	-.0840	.2817	.2853	.2593	.2514	.2119	.1316
.040		-.0799	.2723					
.050	.0449			.1985	.1816	.2083	.2067	
.069								.1529
.080				.1833				
.081			.1830					
.086		.0415						
.094	-.0817							
.150				.2338	.2180	.2095	.2243	
.157								.1718
.163		.0563						
.177			.1664					
.229	.0202							
.246		.2093						
.250			.2360	.2130	.2346	.2668		
.274			.2620					

(RETL 14)

DEPENDENT VARIABLE CP

1,000

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0 (6) = 4.217 BETA0 (4) = 4.126

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.2129	-.3300	.2504	.5683	.5605	.5443	.5071	-.0830	
.010	-.1761	-.3017	.3392	.3780	.2965	.3022	.3151		
.020	-.1389	-.2008	.3486	.3003	.2596	.2490	.2096	.0210	
.040		-.1749	.2693						
.050	-.0608			.2044	.1834	.1973	.2049		
.069								.0554	
.080				.1827					
.081			.1638						
.086		-.0119							
.094	-.1471								
.150				.2137	.2004	.1979	.2046		
.157								.0783	
.163		.2271							
.177			.1856						
.229	-.0831								
.246		.1445							
.250				.2159	.1992	.2084	.2087		
.274			.2169						
.345								.0526	
.362	.0000								
.390		.2467							
.400				.2177	.2568		.2412		
.402			.2293						
.418									-.5466
.497	.2048								
.503									-.0010
.550				.1933	.2197				
.565			.1544						
.600							.0876		
.637		.1454							
.650					.0877				
.670								-.2768	
.700	.1353			-.0093					
.725			-.0763						
.730									-.6685
.750					-.2104	-.1808			
.760			-.2159						
.775			-.0376	.0563					
.798		-.1595							
.808			-.0979						
.834	-.1825								
.839		-.1131							
.850			-.1862	-.1984	-.3243				
.857			-.2162						
.862								-.3610	

ARC11-019 1A81 (LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0(6) = 4.217 BETA0(4) = 4.126

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.1679								
.879		-.2314							
.900	-.2234			-.3006			-.3721		
.905			-.3385						
.919		-.2941							
.950				-.3912	-.3872	-.4214			
.953			-.3888						
.955		-.2910							
.965	-.2439								
1.000			-.2187		-.3439		-.4876		

ALPHA0(6) = 4.218 BETA0(5) = 6.196

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3050	-.3072	.1848	.4938	.5057	.4992	.4691	-.1321	
.010	-.2549	-.2911	.2857	.3254	.2683	.2985	.3127		
.020	-.1884	-.2072	.3095	.2514	.2379	.2459	.2188	-.0147	
.040		-.1713	.2404						
.050	-.1530			.2009	.1668	.1932	.2117		
.069								.0218	
.080				.2053					
.081			.1610						
.086		.0070							
.094	-.1640								
.150				.1864	.1935	.1971	.2058		
.157								.0453	
.163		.1861							
.177			.1785						
.229	-.1288								
.246		.1542							
.250				.2056	.1907	.2089	.2054		
.274			.2082						
.345								.0178	
.362	.0000								
.390		.2268							
.400				.1932	.2335		.2038		
.402			.2088						
.418									-.5770
.497	.1971								
.503									-.0343
.550			.1381	.1592					

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0(6) = 4.218 BETA0 (5) = 6.196

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.1191						
.600							.0484		
.637		.1143							
.650						.0413			
.670									
.700	.0315				-.0570			-.2980	
.725				-.1314					
.730									-.6640
.750					-.2387	-.2089			
.760			-.1653						
.775				-.0713	-.0019				
.798		-.1017							
.808			-.0843						
.834	-.1872								
.839		-.1293							
.850				-.1801	-.2289	-.3517			
.857			-.2253						
.862									-.3842
.865	-.1881								
.879		-.2204							
.900	-.1957			-.2906			-.3921		
.905			-.3109						
.919		-.2578							
.950				-.3520	-.3763	-.4368			
.953			-.2524						
.955		-.2430							
.965	-.2243								
1.000			-.2371		-.2933		-.4832		

ALPHA0(7) = 6.327 BETA0 (1) = -4.066

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0103	-.1212	.3604	.7529	.7512	.7358	.6801	.0035	
.010	.0314	.0109	.4149	.5126	.4595	.5503	.6109		
.020	.0197	.0453	.3802	.4025	.4030	.4510	.5047	.1573	
.040		.0459	.2333						
.050	.0038			.3145	.2828	.3832	.4537		
.069								.1992	
.080				.2757					
.081			.2674						
.086		.0191							

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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL 14)

ALPHA0(7) = 6.327 BETA0 (1) = -4.066

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	.0262					
.150			.2035	.3415	.3918	.3971
.157						.2072
.163	.1542					
.177		.2340				
.229	.1121					
.246	.2623					
.250			.3294	.3819	.3890	.3488
.274		.3030				
.345						.1673
.362	.0000					
.390	.3289					
.400			.4001	.4127		.3361
.402		.4071				
.418						
.497	.2515					- .4758
.503						.1121
.550			.3715	.3331		
.565		.3855				
.600					.1754	
.637	.4121					
.650				.1841		
.670						- .1886
.700	.4696			.1056		
.725		.0841				
.730						- .6500
.750					.1125	.1043
.760		-.0361				
.775			.1511	.2034		
.798	-.1057					
.808		.0117				
.834	-.2212					
.839	-.1089					
.850			-.0373	-.0876	-.2460	
.857		-.1824				
.862						- .2751
.865	-.1549					
.879	-.2177					
.900	-.2234		-.2019			-.3084
.905		-.3242				
.919	-.2920					
.950			-.3317	-.2969	-.3491	
.953		-.4014				
.955	-.3548					
.965	-.3238					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0(7) = 6.327 BETA0 (1) = -4.066

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH	1.000								

X/CH

1.000

-.3720

-.3826

-.4880

ALPHA0(7) = 6.327 BETA0 (2) = -2.028

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									

X/CH

.000	-.0717	-.1747	.2956	.6980	.6943	.6775	.6331	-.0440
.010	-.0244	-.0977	.4115	.5021	.4319	.5102	.5579	
.020	.0339	-.0371	.4243	.3825	.3787	.4171	.4381	.1183
.040		-.0210	.3524					
.050	.0086			.2839	.2743	.3315	.3878	
.069				.2458				.1620
.080								
.081			.2946					
.086		.1192						
.094	.0022							
.150			.2380	.2948	.3106	.3596		
.157								.1757
.163		.2099						
.177			.1849					
.229	-.0012							
.246		.2479		.2789	.2774	.3591	.3430	
.250								
.274			.2987					
.345								.1391
.362	.0000							
.390		.3157		.3583	.3952		.3275	
.400			.3212					
.402								
.418								-.5135
.497	.2558							
.503								.0851
.550			.3146	.3556	.3319			
.565								
.600							.1574	
.637		.3293						
.650					.1694			
.670								-.2131
.700	.3818			.0623	.0887			
.725								
.730								-.6697
.750						-.1468	-.1237	

ARC11-019 IAB1 LVAPIELML SEALED) LEFT WING BOT.

(RETL14)

ALPHA(7) = 6.327 BETA(2) = -2.028

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.760			-.0733							
.775				.1230	.1802					
.798		-.1492								
.808			-.0226							
.834	-.2145									
.839		-.1631								
.850				-.0653	-.1088	-.2644				
.857			-.2104							
.862								-.3001		
.865	-.1437									
.879		-.2421								
.900	-.2359			-.2276			-.3236			
.905			-.3492							
.919		-.3087								
.950				-.3566	-.3281	-.3674				
.953			-.4108							
.955		-.3808								
.965	-.3101									
1.000			-.3895		-.3939		-.4980			

ALPHA(7) = 6.325 BETA(3) = .021

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.000	-.1020	-.2438	.2689	.6314	.6512	.6364	.5768	-.0992		
.010	-.0297	-.1730	.3911	.4878	.4431	.4975	.5076			
.020	.0240	-.0849	.4068	.3826	.3924	.4103	.4080	.0708		
.040		-.0529	.3281							
.050	.0027			.3069	.2878	.3238	.3717			
.069								.1201		
.080				.2780						
.081			.2419							
.086		.0842								
.094	-.0245									
.150				.2451	.2828	.3026	.3327			
.157								.1415		
.163		.2776								
.177			.2447							
.229	.0064									
.246		.1877								
.250				.2671	.2769	.3137	.3106			
.274			.2635							

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(7) = 6.325 BETA(3) = .021

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								.1127	
.362	.0000								
.390		.2887							
.400				.2935	.3428		.3066		
.402			.2983						
.418									-.5438
.497	.2641								
.503								.0587	
.550				.2820	.2984				
.565			.2544						
.600							.1394		
.637		.2766							
.650						.1503			
.670								-.2339	
.700	.3007				.0653				
.725				.0033					
.730									-.6833
.750						-.1621	-.1415		
.760			-.1479						
.775				.0480	.1406				
.798		-.2015							
.808			-.0987						
.834	-.1517								
.839		-.1046							
.850				-.1093	-.1425	-.2825			
.857			-.2273						
.862								-.3221	
.865	-.1410								
.879		-.2065							
.900	-.2383			-.2593			-.3382		
.905			-.3286						
.919		-.3112							
.950				-.3805	-.3536	-.3858			
.953			-.3872						
.955		-.3672							
.965	-.2956								
1.000			-.3179		-.3852		-.5045		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA0 (7) = 6.323 BETA0 (4) = 2.091

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.1820								
.879		-.2272							
.900	-.2413			-.2878			-.3576		
.905			-.3300						
.919		-.3185							
.950				-.3995	-.3687	-.4084			
.953			-.3910						
.955		-.3535							
.965	-.2618								
1.000			-.2240		-.3482		-.5047		

ALPHA0 (7) = 6.316 BETA0 (5) = 4.148

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2444	-.3963	.1658	.5064	.5566	.5426	.4833	-.2109	
.010	-.1761	-.3444	.2900	.4478	.4108	.4547	.4632		
.020	-.1047	-.2182	.3194	.3525	.3666	.3824	.3729	-.0302	
.040		-.1825	.2784						
.050	-.0641			.2778	.2632	.2956	.3384		
.069								.0256	
.080				.2464					
.081			.2233						
.086		.0324							
.094	-.1413								
.150				.2293	.2536	.2665	.2909		
.157								.0681	
.163		.2239							
.177			.2224						
.225	-.0368								
.246		.1996							
.250				.2300	.2393	.2622	.2590		
.274			.2321						
.345								.0529	
.362	.0000								
.390		.2520							
.400				.2321	.2709		.2423		
.402			.2418						
.418									
.497	.2253								-.5959
.503								.0018	
.550				.1778	.1906				

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL14)

ALPHA(7) * 8.316 BETA(5) * 4.148

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.1557						
.600							.0813		
.637		.1481							
.650						.0728			
.670								-.2728	
.700	.1536				-.0305				
.725				-.0903					
.730									-.7060
.750						-.2175	-.1852		
.760			-.2263						
.775				-.0536	.0384				
.798		-.1707							
.808			-.1105						
.834	-.1751								
.839		-.1164							
.850				-.1925	-.2078	-.3324			
.857			-.2178						
.862								-.3630	
.865	-.1818								
.879		-.2364							
.900	-.2169			-.3047			-.3738		
.905			-.3355						
.919		-.2953							
.950				-.3910	-.3886	-.4283			
.953			-.3859						
.955		-.2611							
.965	-.2376								
1.000			-.2015		-.2922		-.5053		

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL15) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BR2F = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .900 RN/FT = 2.250
 ELV-18 = 8.000 ELV-08 = 6.000
 RUDDER = .000 SPDBRK = .000

ALPHA0 (1) = -6.170 BETA0 (1) = -4.069

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0278	.0858	.3080	.4326	.3185	.2597	.2702	-.5151	
.010	.0066	.0510	.0091	-.8160	-.8469	-.8372	-.7670		
.020	-.0083	.0560	-.0864	-.7285	-.8267	-.7371	-.7164	-.4591	
.040		.0699	-.1899						
.050	-.0140			-.3682	-.7818	-.7050	-.6532		
.069								-.4526	
.080				-.2833					
.081			-.1672						
.086		.1012							
.094	-.0094								
.150				-.1163	-.1840	-.4814	-.5220		
.157								-.4192	
.163		.0347							
.177			-.0710						
.229	.0865								
.246		-.0375							
.250				-.0161	-.0769	-.1833	-.3826		
.274			.0164						
.345								-.4029	
.362	.0000								
.390		.0757							
.400				.0537	-.0343		-.2775		
.402			.1034						
.418								-.3148	
.497	.0688								
.503								-.3737	
.550				-.0579	-.1850				
.565			.0226						
.600							-.3475		
.637		.0589							
.650						-.4149			
.670							-.4181		
.700	.1539				-.5036				
.725				-.5419					
.730								-.4135	
.750						-.1161	-.2581		
.760			-.2580						
.775				-.2072	-.2309				

(RETL15)

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(1) = -6.165 BETA(2) = -2.034

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.0488							
.400				.0298	-.0450		-.3450		
.402			.0733						
.418									-.3520
.497	.0426								
.503								-.4167	
.550				-.0731	-.1903				
.565			-.0001						
.600							-.3827		
.637		.0315							
.650						-.4205			
.670								-.4080	
.700	.1051				-.5049				
.725				-.5173					
.730									-.4010
.750						-.1679	-.3000		
.760			-.2563						
.775				-.2349	-.2832				
.798		-.1887							
.808			-.2280						
.834	-.2557								
.839		-.2728							
.850				-.3432	-.3214	-.3748			
.857			-.3462						
.862								-.1771	
.865	-.2777								
.879		-.3516							
.900	-.3023			-.3568			-.1591		
.905			-.3657						
.919		-.3528							
.950				-.1170	-.1312	-.0599			
.953			-.1913						
.955		-.2438							
.965	-.2595								
1.000		-.0426			.0227		.0766		

ARC11-019 IAB1 LVAP(ELML SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(1) = -6.129 BETA0(3) = .031

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0154	.0713	.2545	.3200	.1942	.1285	.1397	-.4448	
.010	.0124	.0574	-.0012	-.8558	-.9171	-.8164	-.7183		
.020	.0021	.0667	-.0753	-.7482	-.9038	-.7583	-.6921	-.4436	
.040		.0791	-.1831						
.050	-.0040			-.4082	-.9038	-.7342	-.6560		
.069								-.4520	
.080				-.3341					
.081			-.1785						
.086		.0980							
.094	-.0005								
.150				-.1896	-.2282	-.6731	-.6241		
.157								-.4406	
.163		.0319							
.177			-.1194						
.229	.0582								
.246		-.0540							
.250				-.0963	-.1260	-.3293	-.5789		
.274			-.0588						
.345								-.4304	
.362	.0000								
.390		.0051							
.400				-.0203	-.0797		-.4334		
.402			.0026						
.418								-.3808	
.497	.0056								
.503								-.4095	
.550				-.1140	-.2237				
.565			-.0653						
.600							-.3951		
.637		-.0480							
.650						-.4481			
.670								-.4031	
.700	.0018				-.5355				
.725				-.5237					
.730								-.4152	
.750						-.2098	-.2845		
.760			-.3032						
.775				-.2592	-.3063				
.798		-.2094							
.808			-.2641						
.834	-.2838								
.839		-.2746							
.850				-.3693	-.3440	-.3551			
.857			-.3758						
.862								-.2132	

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(1) = -6.129 BETA0(3) = .031

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2922								
.879		-.3507							
.900	-.3170			-.4050			-.1677		
.905			-.4126						
.919		-.3481							
.950				-.1556	-.1660	-.0800			
.953			-.2219						
.955		-.2575							
.965	-.2706								
1.000			-.0622		-.0186		.0824		

ALPHA0(1) = -6.118 BETA0(4) = 2.093

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0007	.0811	.2492	.2811	.1485	.0694	.0788	-.4394	
.010	.0074	.0809	.0232	-.7974	-.9261	-.8265	-.7151		
.020	.0021	.0863	-.0440	-.7059	-.9109	-.7852	-.6936	-.4382	
.040		.0970	-.1417						
.050	.0044			-.3802	-.9049	-.7630	-.6819		
.069								-.4537	
.080				-.3176					
.081			-.1532						
.086		.1074							
.094	.0108								
.150				-.1916	-.2268	-.7250	-.6823		
.157								-.4465	
.163		.0463							
.177			-.1082						
.229	.0553								
.246		-.0366							
.250				-.1230	-.1549	-.2748	-.6342		
.274			-.0698						
.345								-.4457	
.362	.0000								
.390		-.0075							
.400				-.0612	-.1060		-.4757		
.402			-.0464						
.418								-.3974	
.497	.0021								
.503								-.4382	
.550				-.1466	-.2413				

TABLE A - PRESSURE SOURCE DATA TABULATION

(RETL 15)

ALPHA0(1) = -6.118 BETA0 (4) = 2.093

DEPENDENT VARIABLE CP

X/CW

.565		-.1336			
.600				-.3864	
.637	-.1226				
.650				-.4606	
.670					-.4676
.700	-.0900		-.5411		
.725		-.4203			
.730					-.4506
.750				-.2011	-.2453
.760		-.2460			
.775		-.2250	-.2698		
.798	-.2087				
.808		-.2794			
.834	-.2691				
.839	-.2725				
.850		-.4014	-.3645	-.3482	
.857		-.3716			
.862					-.2454
.865	-.2938				
.879	-.3148				
.900	-.2976	-.3987		-.1870	
.905		-.4307			
.919	-.3136				
.950		-.1956	-.1812	-.0963	
.953		-.2441			
.955	-.2502				
.965	-.2633				
1.000		-.1105	-.0467	.0824	

ALPHA0(1) = -6.110 BETA0 (5) = 4.138

DEPENDENT VARIABLE CP

X/CH

.000	-.0336	.0726	.2357	.2819	.1152	.0298	.0336	-.4505
.010	-.0181	.0753	.0331	-.7578	-.8879	-.8165	-.7274	
.020	-.0128	.0838	-.0287	-.6698	-.8785	-.7704	-.7123	-.4550
.040		.0915	-.1117					
.050	.0005			-.3617	-.8546	-.7486	-.6968	
.069								-.4663
.080				-.2936				
.091			-.1148					
.086		.0999						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(1) = -6.110 BETA0(5) = 4.138

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.094	.0081								
.150				-.1715	-.2159	-.6976	-.7040		
.157								-.4667	
.163		.0473							
.177			-.0755						
.229	.0469								
.246		-.0228							
.250				-.1123	-.1678	-.2243	-.6453		
.274			-.0469						
.345								-.4712	
.362	.0000								
.390		.0055							
.400				-.0798	-.1270		-.4067		
.402			-.0336						
.418								-.4084	
.497	.0055								
.503								-.4697	
.550				-.1737	-.2553				
.565			-.1453						
.600							-.4070		
.637		-.1317							
.650						-.4661			
.670								-.4928	
.700	-.1127				-.4751				
.725				-.3325					
.730								-.4521	
.750						-.1681	-.2292		
.760			-.2379						
.775				-.2123	-.2632				
.798		-.2304							
.808			-.2813						
.834	-.2673								
.839		-.2967							
.850				-.4009	-.4234	-.4132			
.857			-.3610						
.862								-.2438	
.865	-.2871								
.879		-.3201							
.900	-.2928			-.3653			-.2095		
.905			-.3457						
.919		-.3023							
.950				-.2197	-.2219	-.1371			
.953			-.2596						
.955		-.2586							
.965	-.2692								

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IA81A - PRESSURE SOURCE DATA TABULATION

(REYL15)

ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING BOT.

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

X/CW			
1.000	-.1395	-.0730	.0594

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

X/CW								
.000	.0454	.1368	.4054	.5456	.4748	.4352	.4299	-.3079
.010	.0404	.1265	.1879	-.4607	-.6505	-.7506	-.6534	
.020	.0175	.1199	.0817	-.4354	-.5409	-.5993	-.7134	-.3483
.040		.1338	-.0591					
.050	.0068			-.2487	-.3973	-.4729	-.6691	
.069								-.3704
.080				-.1526				
.081			-.0568					
.086		.1560						
.094	.0118							
.150				-.0147	-.0585	-.1276	-.2144	
.157								-.3105
.163		.0930						
.177			.0117					
.229	.0908							
.246		.0326						
.250				.0564	-.0108	-.0895	-.1840	
.274			.0302					
.345								-.3120
.362	.0000							
.390		.1361						
.400				.0995	.0090		-.1913	
.402			.1518					
.418								
.497	.1263							
.503								-.3502
.550				-.0343	-.1538			
.565			.0194					
.600							-.3806	
.637		.0973						
.650						-.4052		
.670								-.3048
.700	.2099				-.4826			
.725				-.5083				
.730								
.750						-.0639	-.1627	

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(2) = -4.082 BETA0(1) = -6.131

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.2036						
.775				-.1542	-.1206				
.798		-.1321							
.808			-.1551						
.834	-.2445								
.839		-.2070							
.850				-.2900	-.2509	-.2992			
.857			-.3303						
.862								-.1690	
.865	-.2941								
.879		-.3424							
.900	-.3384			-.3671			-.1562		
.905			-.4108						
.919		-.3512							
.950				-.0905	-.0888	-.0353			
.953			-.1389						
.955		-.1986							
.965	-.2614								
1.000			.0202		.0736		.0950		

ALPHA0(2) = -4.072 BETA0(2) = -4.082

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0365	.1217	.3731	.4794	.4224	.3787	.3784	-.3402	
.010	.0274	.1098	.1578	-.5173	-.6896	-.8005	-.7228		
.020	.0164	.1086	.0455	-.4696	-.6147	-.6542	-.7212	-.3962	
.040		.1186	-.0829						
.050	.0087			-.2713	-.4483	-.4985	-.7072		
.069								-.3807	
.080				-.1718					
.081			-.0779						
.086		.1445							
.094	.0137								
.150				-.0388	-.0829	-.1485	-.2573		
.157								-.3167	
.163		.0812							
.177			-.0404						
.229	.0832								
.246		.0163							
.250				.0382	-.0274	-.1026	-.1895		
.274			.0466						

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0 (2) = -4.072 BETA0 (2) = -4.082

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8670	.9720	1.0000
X/CW									
.345								-0.3315	
.362	0.0000								
.390		0.1195							
.400				0.0844	-0.0023		-0.1960		
.402			0.0792						
.418								-0.3452	
.497	0.1076								
.503							-0.3883		
.550				-0.0411	-0.1626				
.565			-0.0105						
.600							-0.4087		
.637		0.0817							
.650						-0.4151			
.670							-0.3190		
.700	0.1786				-0.4910				
.725				-0.5200					
.730								-0.4754	
.750						-0.1541	-0.2179		
.760			-0.2604						
.775				-0.1729	-0.2043				
.798		-0.1477							
.808			-0.2037						
.834	-0.2387								
.839		-0.2259							
.850				-0.3063	-0.2814	-0.3097			
.857			-0.3332						
.862							-0.1528		
.865	-0.2664								
.879		-0.3401							
.900	-0.3196			-0.3940			-0.1520		
.905			-0.4287						
.919		-0.3631							
.950				-0.1022	-0.1099	-0.0438			
.953			-0.1795						
.955		-0.2237							
.965	-0.2620								
1.000			-0.0020		0.0526		0.0963		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(2) = -4.058 BETA(3) = .016

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0071	.0919	.3144	.4063	.3007	.2477	.2514	-.4294	
.010	.0156	.0969	.1280	-.5757	-.7711	-.8639	-.8412		
.020	.0069	.0969	.0422	-.5207	-.7262	-.7288	-.7584	-.4066	
.040		.1058	-.1161						
.050	.0042			-.3198	-.5466	-.6152	-.7428		
.069								-.4165	
.080				-.2422					
.081			-.1092						
.086		.1252							
.094	.0069								
.150				-.1227	-.1669	-.2435	-.4133		
.157								-.3888	
.163		.0656							
.177			-.0625						
.229	.0657								
.246		-.0151							
.250				-.0488	-.0897	-.1564	-.2241		
.274			-.0111						
.345								-.3990	
.362	.0000								
.390		.0414							
.400				.0055	-.0523		-.2320		
.402			.0406						
.418								-.3731	
.497	.0355								
.503								-.4347	
.550				-.1001	-.2059				
.565			-.0471						
.600							-.4461		
.637		-.0352							
.650						-.4513			
.670								-.4305	
.700	.0130				-.5307				
.725				-.5391					
.730								-.5716	
.750						-.2161	-.2840		
.760			-.2572						
.775				-.2169	-.2568				
.798		-.1983							
.808			-.2269						
.834	-.2707								
.839		-.2518							
.850				-.3488	-.3323	-.3396			
.857			-.3572						
.862								-.1397	

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(2) = -4.058 BETA(3) = .016

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.865	-.2825							
.879		-.3363						
.900	-.3211			-.4347			-.1432	
.905			-.4205					
.919		-.3451						
.950				-.1646	-.1545	-.0686		
.953			-.2238					
.955		-.2302						
.965	-.2636							
1.000			-.0517		-.0040		.0860	

ALPHA(2) = -4.039 BETA(4) = 4.120

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.0407	.0663	.2699	.2896	.2183	.1537	.1463	-.4585
.010	-.0319	.0787	.1176	-.5284	-.7262	-.8771	-.8372	
.020	-.0243	.0868	.0472	-.4673	-.6975	-.7520	-.7610	-.4368
.040		.0950	-.0616					
.050	-.0078			-.2756	-.4590	-.6678	-.7198	
.069								-.4463
.080				-.2125				
.081			-.0789					
.086		.1101						
.094	.0036							
.150				-.1185	-.1808	-.2534	-.4725	
.157								-.4235
.163		.0675						
.177			-.0568					
.229	.0525							
.246		.0055						
.250				-.0691	-.1289	-.1894	-.2774	
.274			-.0296					
.345								-.4474
.362	.0000							
.390		.0242						
.400				-.0551	-.0993		-.2633	
.402			-.0244					
.418								-.3994
.497	.0319							
.503								-.4550
.550				-.1593	-.2452			

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(2) = -4.039 BETA(4) = 4.120

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.9870	.9720	1.0000
X/CW									
.565									
.600									
.637									
.650									
.670									
.700									
.725									
.730									
.750									
.760									
.775									
.798									
.808									
.834									
.839									
.850									
.857									
.862									
.865									
.879									
.960									
.905									
.919									
.950									
.953									
.955									
.965									
1.000									

ALPHA(2) = -4.035 BETA(5) = 6.171

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000									
.010									
.020									
.040									
.050									
.069									
.080									
.081									
.086									

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(2) = -4.035 BETA(5) = 6.171

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.094	-.0148								
.150				-.1039	-.1817	-.2561	-.5227		
.157								-.4479	
.163		.0625							
.177			-.0398						
.229	.0285								
.246		.0103							
.250				-.0655	-.1440	-.2076	-.2857		
.274			-.0275						
.345								-.4517	
.362	.0000								
.390		.0252							
.400				-.0706	-.1243		-.2752		
.402			-.0228						
.418								-.4087	
.497	.0243								
.503								-.4524	
.550				-.1845	-.2600				
.565			-.1604						
.600							-.4776		
.637		-.1445							
.650						-.4692			
.670								-.4031	
.700	-.1476				-.3994				
.725				-.2850					
.730								-.5328	
.750						-.1104	-.1841		
.760			-.2206						
.775				-.1905	-.2331				
.798		-.2305							
.808			-.2774						
.834	-.2659								
.839		-.2682							
.850				-.3316	-.3492	-.3777			
.857			-.3519						
.862								-.1369	
.865	-.2935								
.879		-.2891							
.900	-.2866			-.3213			-.1886		
.905			-.3489						
.919		-.2891							
.950				-.2185	-.2222	-.1462			
.953			-.2701						
.955		-.2583							
.965	-.2625								

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(3) = -2.011 BETA0 (1) = -6.134

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.760				-.1887						
.775					-.1227	-.1111				
.798			-.1176							
.808				-.1279						
.834	-.2219									
.839			-.1835							
.850					-.2778	-.2417	-.3250			
.857				-.3086						
.862									-.2014	
.865	-.2541									
.879			-.3319							
.900	-.3386				-.3874			-.1801		
.905				-.4387						
.919			-.3538							
.950					-.0843	-.0830	-.0424			
.953				-.1248						
.955			-.1768							
.965	-.2457									
1.000				.0243		.0903		.0840		

ALPHA0(3) = -2.000 BETA0 (2) = -2.052

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000		.0101	.1150	.3845	.5229	.4561	.4249	.4080	-.2060	
.010		.0241	.1323	.2469	-.2808	-.4585	-.5027	-.4458		
.020		.0214	.1396	.1658	-.3105	-.3591	-.4099	-.5265	-.2290	
.040			.1531	.0214						
.050	.0168				-.1851	-.2597	-.3209	-.3893		
.069									-.2911	
.080					-.1190					
.081				-.0187						
.086			.1732							
.094	.0195									
.150					-.0086	-.0369	-.0842	-.1775		
.157									-.2892	
.163			.1165							
.177				.0172						
.229	.0866									
.246			.0381							
.250				.0481	-.0062	-.0729	-.1720			
.274				.0743						

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ARC11-019 IAB1 LVAP(ELML SEALED) LEFT WING BOT.

(RETL15)

ALPHA(3) = -2.000 BETA(2) = -2.052

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.3395	
.362	.0000								
.390		.1147							
.400				.0796	.0049		-.1962		
.402			.1338						
.418									-.4554
.497	.1018								
.503								-.4277	
.550				-.0488	-.1671				
.565			.0351						
.600							-.4273		
.637		.0562							
.650						-.4241			
.670								-.3823	
.700	.1417				-.4998				
.725				-.4727					
.730									-.9008
.750						-.1757	-.2513		
.760			-.1862						
.775				-.1569	-.1866				
.798		-.1381							
.808			-.1652						
.834	-.2359								
.839		-.2162							
.850				-.3190	-.2930	-.3432			
.857			-.3290						
.862								-.1382	
.865	-.2568								
.879		-.3264							
.900	-.3012			-.4493			-.1595		
.905			-.4054						
.919		-.3433							
.950				-.1346	-.1270	-.0529			
.953			-.1629						
.955		-.2196							
.965	-.2472								
1.000			-.0159		.0386		.0836		

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(RETL15)

DEPENDENT VARIABLE CP

X/CW

.000	-.0377	.0742	.3248	.4441	.3501	.3113	.3028	-.2938
.010	-.0211	.0951	.2358	-.2840	-.5314	-.6473	-.5657	
.020	-.0085	.1120	.1682	-.2967	-.4366	-.4978	-.6055	-.3037
.040		.1244	.0359					
.050	.0074			-.1945	-.3424	-.4364	-.5032	
.069								-.3351
.080				-.1400				
.081			-.0141					
.086		.1499						
.094	.0158							
.150				-.0685	-.0999	-.1396	-.2333	
.157								-.3457
.163		.1066						
.177			-.0088					
.229	.0709							
.246		.0337						
.250				-.0264	-.0684	-.1199	-.2146	
.274			.0099					
.345								-.3859
.362	.0000							
.390		.0496						
.400				-.0069	-.0520		-.2347	
.402			.0226					
.418								-.4583
.497	.0531							
.503								-.4632
.550				-.1204	-.2154			
.565			-.0982					
.600							-.4858	
.637		-.0973						
.650						-.4615		
.670								-.3999
.700	-.0591				-.5192			
.725				-.3419				
.730								-.8641
.750						-.1616	-.2544	
.760			-.1991					
.775				-.1467	-.2007			
.798		-.1798						
.808			-.2381					
.834	-.2492							
.839		-.2589						
.850				-.3610	-.3566	-.3811		
.857			-.3417					
.862								-.1626

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(3) = -1.985 BETA0 (3) = 2.064

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.865	-.2632							
.879		-.3051						
.900	-.2792			-.4461			-.1843	
.905			-.3642					
.919		-.2995						
.950				-.2051	-.1860	-.0957		
.953			-.2431					
.955		-.2374						
.965	-.2443							
1.000			-.0917		-.0354		.0680	

ALPHA0(3) = -1.973 BETA0 (4) = 6.153

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.000	-.1409	.0417	.2500	.4018	.2873	.2334	.2144	-.3556
.010	-.1164	.0478	.2016	-.2333	-.4971	-.6356	-.6199	
.020	-.0790	.0690	.1572	-.2517	-.4177	-.4946	-.6146	-.3522
.040		.0856	.0636					
.050	-.0407			-.1521	-.2902	-.4303	-.5452	
.069								-.3832
.080				-.1071				
.081			.0142					
.086		.1103						
.094	-.0155							
.150				-.0507	-.1113	-.1672	-.2773	
.157								-.3643
.163		.0891						
.177			.0123					
.229	.0396							
.246		.0453						
.250				-.0282	-.0950	-.1543	-.2525	
.274			.0200					
.345								-.4112
.362	.0000							
.390		.0513						
.400				-.0473	-.0960		-.2639	
.402			.0055					
.418								-.4689
.497	.0487							
.503								-.4820
.550				-.1672	-.2459			

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(3) = -1.973 BETA0 (4) = 6.153

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.565			-.1341							
.600							-.4837			
.637		-.1299								
.650						-.4593				
.670								-.3817		
.700	-.1306				-.3860					
.725				-.2648						
.730									-.8008	
.750						-.1134	-.2002			
.760			-.2000							
.775				-.1803	-.2293					
.798		-.2143								
.808			-.2596							
.834	-.2579									
.839		-.2628								
.850				-.3285	-.3555	-.3926				
.857			-.3276							
.862								-.1647		
.865	-.2713									
.879		-.2930								
.900	-.2694			-.3129			-.2226			
.905			-.3245							
.919		-.2900								
.950				-.2251	-.2256	-.1429				
.953			-.2627							
.955		-.2499								
.985	-.2598									
1.000			-.1508		-.0885		.0513			

ALPHA0(4) = .079 BETA0 (1) = -6.140

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.000	.0249	.1373	.4515	.6217	.6905	.5663	.5143	-.1172		
.010	.0812	.1823	.3979	.0802	.0000	.0480	.0528			
.020	.0522	.1974	.3199	-.0109	-.0038	-.0305	-.0960	-.1009		
.040		.2168	.1615							
.050	.0572			.0170	-.0171	-.0328	-.0868			
.069								-.1738		
.080				.0392						
.081			.1042							
.086		.2454								

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(RETL15)

DEPENDENT VARIABLE CP

X/CW

.094

150

.157

.163

.177

.229

.246

.250

.274

345

.362

.390

.400

.402

.418

.497

.503

.550

.565

.600

.637

.650

.670

.700

.725

.730
750

.750
888

.760
775

.775
209

.798
000

.808
534

834
B29

.B39
B60

.B50
B57

.857
862

0000

863
879

.879
900

.900
905

905
919

950

953

955

.965

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(4) = .079 BETA0 (1) = -6.140

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		.0295		.0845		-.0117		

ALPHA0(4) = .084 BETA0 (2) = -4.099

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000	.0060	.1182	.4233	.5876	.5515	.5250	.4746	-.1498
	.010	.0441	.1538	.3632	.0305	-.0562	-.0147	-.0105	
	.020	.0349	.1728	.2860	-.0537	-.0486	-.0823	-.1525	-.1370
	.040		.1888	.1348					
	.050	.0380			-.0122	-.0566	-.0717	-.1269	
	.069								-.2107
	.080				.0173				
	.081		.0727						
	.086	.2204							
	.094	.0414							
	.150			.6712	.0420	.0029	-.1031		
	.157								-.2390
	.163	.1764							
	.177		.0947						
	.229	.1146							
	.246	.1066							
	.250			.1191	.0508	-.0132	-.1181		
	.274		.1287						
	.345								-.3150
	.362	.0000							
	.390	.1714							
	.400			.1176	.0301		-.1624		
	.402		.1734						
	.418								-.6726
	.497	.1579							
	.503								-.3154
	.550			-.0341	-.1555				
	.565		.0361						
	.600						-.3315		
	.637	.0833							
	.650					-.3817			
	.670							-.2967	
	.700	.1909			-.3658				
	.725		-.2212						
	.730								-.7191
	.750				.0319	-.0910			

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(4) = .084 BETA0(2) = -4.099

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.0858						
.775				-.0303	-.0454				
.798		-.0500							
.808			-.1295						
.834	-.1985								
.839		-.1751							
.850				-.2991	-.2713	-.3790			
.857			-.3210						
.862								-.2895	
.865	-.2571								
.879		-.3200							
.900	-.3050			-.3834			-.4116		
.905			-.4164						
.919		-.3165							
.950				-.1018	-.1016	-.0789			
.953			-.1577						
.955		-.1835							
.965	-.2253								
1.000			-.0202		.0783		.0460		

ALPHA0(4) = .085 BETA0(3) = -.004

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0450	.0611	.3586	.5138	.4599	.4403	.4019	-.2183	
.010	-.0062	.0950	.3069	-.0624	-.2031	-.1874	-.1604		
.020	-.0012	.1253	.2424	-.1322	-.1729	-.2044	-.2869	-.1999	
.040		.1467	.1076						
.050	.0179			-.0828	-.1500	-.1632	-.2183		
.069								-.2780	
.080				-.0582					
.081			.0319						
.086		.1851							
.094	.0266								
.150				-.0001	-.0128	-.0631	-.1642		
.157								-.2983	
.163		.1459							
.177			.0350						
.229	.0877								
.246		.0595							
.250				.0406	-.0093	-.0642	-.1718		
.274			.0584						

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(4) = .085 BETA(3) = -.004

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2930	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345									
.362	.0000								-.3764
.390		.0918							
.400				.0444	-.0183				
.402			.0834						
.418									
.497	.0908								-.6667
.503									
.550									
.565			-.0337	-.0888	-.1962				-.4409
.600									
.637		-.0296							
.650						-.4484			
.670									-.3402
.700	.0385				-.5226				
.725				-.4133					
.730									
.750						-.0813	-.1802		-.6975
.760			-.1645						
.775				-.1167	-.1233				
.798		.1495							
.808			-.1802						
.834	-.2429								
.839		-.2221							
.850				-.3224	-.2929	-.3528			
.857			-.3244						
.862									-.2253
.865	-.2620								
.879		-.3188							
.900	-.3036			-.4522					-.2499
.905			-.3944						
.919		-.3200							
.950				-.1670	-.1350	-.0730			
.953			-.2106						
.955		-.2134							
.965	-.2523								
1.000			-.0457		.0225		.0715		

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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(4) = .097 BETA0 (4) = 4.092

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1270	.0166	.2693	.4518	.3903	.3576	.3243	-.2870
.010	-.1027	.0255	.2561	-.0501	-.2125	-.2357	-.2175	
.020	-.0637	.0631	.2138	-.1092	-.1808	-.2326	-.3237	-.2540
.040		.0821	.1120					
.050	-.0287			-.0701	-.1595	-.1915	-.2476	
.069								-.3209
.080				-.0542				
.081			.0487					
.086		.1328						
.094	-.0084							
.150				-.0075	-.0372	-.0871	-.1996	
.157								-.3391
.163		.1228						
.177			.0483					
.229	.0532							
.246		.0683						
.250				.0113	-.0410	-.0924	-.1957	
.274			.0406					
.345								-.4182
.362	.0000							
.390		.0732						
.400				-.0128	-.0557		-.2387	
.402			.0275					
.418								-.7110
.497	.0662							
.503								-.4957
.550				-.1446	-.2265			
.565		-.1157						
.600							-.4719	
.637	-.1088							
.650						-.4631		
.670								-.3536
.700	-.0837				-.4286			
.725			-.2734					
.730								-1.0769
.750						-.0742	-.1706	
.760		-.2061						
.775			-.1593	-.1815				
.798	-.1888							
.808		+.2499						
.834	-.2590							
.839		-.2718						
.850			-.3302	-.3493	-.3873			
.857		-.3159						
.862								-.2358

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(4) = .097 BETA0(4) = 4.092

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.865	-.2794							
.879		-.3026						
.900	-.2859			-.3256			-.3346	
.905			-.3155					
.919		-.2954						
.950				-.2196	-.2087	-.1275		
.953			-.2365					
.955		-.2489						
.965	-.2448							
1.000			-.1221		-.0648		.0527	

ALPHA0(4) = .102 BETA0(5) = 6.138

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.1806	.0030	.2039	.4365	.3566	.3182	.2794	-.3120
.010	-.1565	-.0024	.2113	-.0324	-.2166	-.2657	-.2656	
.020	-.1060	.0383	.1878	-.0974	-.1856	-.2588	-.3579	-.2823
.040		.0569	.1135					
.050	-.0547			-.0577	-.1581	-.2062	-.2770	
.069								-.3395
.080				-.0418				
.081			.0646					
.086		.1043						
.094	-.0222							
.150				-.0055	-.0504	-.0938	-.2190	
.157								-.3605
.163		.1058						
.177			.0566					
.229	.0433							
.246		.0690						
.250				.0058	-.0603	-.1118	-.2155	
.274			.0427					
.345								-.4349
.362	.0000							
.390		.0721						
.400				-.0350	-.0813		-.2548	
.402			.0223					
.418								-.7054
.497	.0735							
.503								-.5135
.550				-.1598	-.2346			

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(4) = .102 BETA(5) = 6.138

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565			-.1224						
.600							-.4482		
.637		-.1139							
.650						-.4183			
.670								-.3372	
.700	-.1167				-.3289				
.725				-.2438					
.730									-1.0816
.750						-.0450	-.1453		
.760			-.1856						
.775				-.1753	-.1986				
.798		-.1908							
.808			-.2456						
.834	-.2461								
.839		-.2533							
.850				-.3133	-.3251	-.3942			
.857			-.3161						
.862								-.2671	
.865	-.2641								
.879		-.2827							
.900	-.2622			-.2945			-.3620		
.905			-.3234						
.919		-.2827							
.950				-.2086	-.2081	-.1412			
.953			-.2583						
.955		-.2491							
.965	-.2547								
1.000			-.1367		-.0850		.0527		

ALPHA(5) = 2.176 BETA(1) = -6.134

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.0033	.1022	.4387	.6298	.5965	.5663	.4763	-.2004	
.010	.0492	.1616	.4495	.2523	.1924	.2603	.2608		
.020	.0607	.2077	.3900	.1326	.1573	.1526	.1050	-.1150	
.040		.2314	.2424						
.050	.0702			.1164	.0962	.0921	.0520		
.069								-.1718	
.080				.1186					
.081			.1651						
.086		.2721							

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(RETL:5)

DEPENDENT VARIABLE CP

.965 +.2259

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(5) = 2.176 BETA(1) = -6.134

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		.0395		.0584		-.3314		

X/CW

1.000

.0395

.0584

-.3314

ALPHA(5) = 2.181 BETA(2) = -2.059

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000	-.0600	.0508	.3814	.5638	.5249	.4955	.4130	-.2784

X/CW

.000

-.0600

.0508

.3814

.5638

.5249

.4955

.4130

-.2784

.010

-.0054

.1028

.3721

.1572

.0978

.1580

.1667

.020

.0130

.1560

.3176

.0541

.0722

.0594

.0205

-.1845

.040

.1797

.1747

.0462

.0239

.0181

-.0185

.050

.0328

-.2395

.069

.0548

.080

.081

.0443

.086

.2283

.094

.0436

.150

.0896

.0683

.0357

-.0616

.157

-.2559

.163

.1964

.177

.0292

.229

.1136

.246

.1113

.250

.1194

.0599

.0002

-.1063

.274

.0924

.345

-.3303

.362

.0000

.390

.1582

.400

.1017

.0211

-.1612

.402

.1282

.418

-.8877

.497

.1472

.503

-.3005

.550

-.0517

-.1640

.565

-.0059

.600

-.2986

.637

.0529

.650

-.2934

.670

-.2975

.700

.1537

-.3069

.725

-.1872

-.5280

.730

.0854

-.0853

.750

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(5) = 2.181 BETA0 (2) = -2.059

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.760			-.0914					
.775				-.0158	-.0468			
.798		-.0624						
.808			-.1423					
.834	-.2101							
.839		-.1830						
.850				-.3090	-.2883	-.3789		
.857			-.3567					
.862								-.4495
.865	-.2419							
.879		-.3165						
.900	-.3092			-.4471			-.4848	
.905			-.5134					
.919		-.3329						
.950				-.1253	-.1457	-.2434		
.953			-.2290					
.955		-.1925						
.965	-.2385							
1.000			-.0464		.0560		-.2005	

ALPHA0(5) = 2.185 BETA0 (3) = 2.048

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.1355	-.0255	.3090	.4900	.4428	.4217	.3519	-.3498
.010	-.0954	.0029	.3223	.1241	.0031	.0451	.0625	
.020	-.0544	.0744	.2947	.0302	-.0133	-.0282	-.0640	-.2608
.040		.1039	.1760					
.050	-.0129			.0223	-.0451	-.0521	-.0869	
.069								-.3013
.080				.0230				
.081			.0936					
.086		.1731						
.094	.0110							
.150				.0456	.0077	-.0196	-.1183	
.157								-.3230
.163		.1638						
.177			.0681					
.229	.0817							
.246		.0967						
.250				.0584	.0062	-.0479	-.1591	
.274			.0712					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(5) = 2.185 BETA(3) = 2.048

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/LW

.345									
.362	.0000								
.390		.0967							
.400				.0347	-.0244				
.402			.0658			-.2084			
.418									
.497	.0932								
.503									
.550				-.1058	-.2078				
.565			-.0833						
.600									
.637		-.0889							
.650						-.3969			
.670									
.700	-.0409				-.4181				
.725				-.2490					
.730									
.750						.0228	-.0953		
.760			-.1676						
.775				-.0623	-.0966				
.798		-.1636							
.808			-.2054						
.834	-.2511								
.839		-.2433							
.850				-.3415	-.3194	-.3820			
.857			-.3244						
.862									
.865	-.2676								
.879		-.2997							
.900	-.2780			-.4476					
.905			-.3460						
.919		-.2925							
.950				-.2125	-.1922	-.1634			
.953			-.2296						
.955		-.2250							
.965	-.2350								
1.000			-.0937		-.0108		.0025		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(5) = 2.183 BETA(4) = 6.140

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2436								
.879		-.2866							
.900	-.2552			-.2984			-.5139		
.905			-.3179						
.919		-.2862							
.950				-.2183	-.2291	-.1797			
.953			-.2575						
.955		-.2415							
.965	-.2461								
1.000			-.1421		-.0973		.0441		

ALPHA(6) = 4.251 BETA(1) = -6.118

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0386	.0540	.4233	.6282	.5883	.5419	.4189	-.3393	
.010	.0421	.1358	.4788	.3694	.3514	.4307	.4068		
.020	.0565	.2155	.4504	.2472	.2946	.3041	.2697	-.1725	
.040		.2453	.3056						
.050	.0808			.1941	.2023	.2092	.1741		
.069								-.1668	
.080				.1767					
.081			.2138						
.086		.3064							
.094	.0903								
.150				.1881	.1844	.1549	.0633		
.157								-.1706	
.163		.2759							
.177			.1946						
.229	.1702								
.246		.1949							
.250				.1948	.1478	.0929	-.0048		
.274			.2092						
.345								-.1515	
.362	.0000								
.390		.2328							
.400				.1602	.0943		-.0804		
.402			.2268						
.418									-.6021
.497	.2223								
.503									-.1177
.550				-.0087	-.1020				

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(6) = 4.251 BETA(1) = -5.118

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.0682						
.600							-.1400		
.637		.1057							
.650						-.1676			
.670								-.2390	
.700	.2329				-.1624				
.725				-.0838					
.730									-.4572
.750						.1808	-.0678		
.760			-.0163						
.775				.0399	.0060				
.798		-.0081							
.808			-.0859						
.834	-.1690								
.839		-.1598							
.850				-.2957	-.2749	-.3760			
.857			-.3344						
.862								-.4170	
.865	-.2359								
.879		-.3404							
.900	-.3344			-.4747			-.4323		
.905			-.5051						
.919		-.3628							
.950				-.1719	-.4141	-.5262			
.953			-.1552						
.955		-.1693							
.965	-.2258								
1.000			.0306		-.0193		-.4468		

ALPHA(6) = 4.253 BETA(2) = -4.076

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0653	.0358	.4010	.6001	.5569	.5121	.3902	-.3956	
.010	.0067	.1067	.4567	.3332	.3052	.3871	.3697		
.020	.0330	.1840	.4177	.2116	.2569	.2646	.2322	-.2243	
.040		.2165	.2797						
.050	.0600			.1622	.1667	.1749	.1418		
.069								-.2095	
.080				.1532					
.081			.1948						
.086		.2776							

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(RETL15)

DEPENDENT VARIABLE CP

.094	.0749						
.150			.1645	.1594	.1325	.0335	
.157							-.2193
.163	.2509						
.177		.1761					
.229	.1515						
.246	.1780						
.250			.1758	.1255	.0745	-.0286	
.274		.1917					
.345							-.2125
.362	.0000						
.390	.2189						
.400			.1412	.0749		-.1056	
.402		.2093					
.418							
.497	.2075						
.503							-.1601
.550			-.0242	-.1142			
.565		.0560					
.600						-.1785	
.637	.0920						
.650					-.1896		
.670							-.2668
.700	.2094			-.1786			
.725			-.1059				
.730							
.750					.1568	-.0749	
.760		-.0266					
.775			.0278	-.0121			
.798	-.0239						
.808		-.0971					
.834	-.1766						
.839	-.1670						
.850			-.3042	-.2855	-.3782		
.857		-.3283					
.862							-.4377
.865	-.2216						
.879	-.3302						
.900	-.3195		-.4756			-.4597	
.905		-.4657					
.919	-.3408						
.950			-.1521	-.3409	-.5425		
.953		-.1576					
.955	-.1746						
.965	-.2230						

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(6) = 4.253 BETA(2) = -4.076

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW
1.000 .0205 .0086 -.4408

ALPHA(6) = 4.252 BETA(3) = .002

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW	CP	CP	CP	CP	CP	CP	CP	CP	CP
.000	-.1437	-.0379	.3271	.5331	.4914	.4497	.3354	-.4566	
.010	-.0873	.0106	.3858	.2472	.1915	.2724	.2661		
.020	-.0339	.1050	.3606	.1363	.1498	.1630	.1339	-.2943	
.040		.1419	.2362						
.050	.0140			.0954	.0769	.0935	.0586		
.069								-.2803	
.080				.0841					
.081			.1373						
.086		.2217							
.094	.0392								
.150				.0950	.0879	.0692	-.0319		
.157								-.2988	
.163		.2105							
.177			.1144						
.229	.1153								
.246		.1305							
.250				.1033	.0640	.0196	-.0900		
.274			.1140						
.345								-.3359	
.362	.0000								
.390		.1445							
.400				.0740	.0195		-.1551		
.402			.1228						
.418								-.6888	
.497	.1359								
.503								-.2761	
.550				-.0775	-.1635				
.565		-.0199							
.600							-.2803		
.637		-.0100							
.650						-.2838			
.670								-.3068	
.700	.0597			-.3160					
.725			-.2342						
.730								-.5206	
.750					.0927	-.0670			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0 (6) = 4.252 BETA0 (3) = .002

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.0936						
.775				-.0290	-.0387				
.798		-.0894							
.808			-.1283						
.834	-.2160								
.839		-.1994							
.850				-.3133	-.2995	-.3811			
.857			-.3344						
.862								-.4904	
.865	-.2533								
.879		-.3336							
.900	-.3218			-.4819			-.4872		
.905			-.4566						
.919		-.3502							
.950				-.1919	-.2950	-.5546			
.953			-.2035						
.955		-.2126							
.965	-.2359								
1.000			-.0230		.0225		-.3726		

ALPHA0 (6) = 4.253 BETA0 (4) = 4.095

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2145	-.0991	.2305	.4610	.4233	.3823	.2664	-.5464	
.010	-.1695	-.0977	.2914	.2318	.1457	.2150	.2089		
.020	-.1079	.0090	.2854	.1258	.1113	.1170	.0854	-.3724	
.040		.0458	.1870						
.050	-.0380			.0847	.0457	.0491	.0189		
.069								-.3405	
.080				.0669					
.081			.1104						
.086		.1502							
.094	.0008								
.150				.0756	.0522	.0296	-.0716		
.157								-.3576	
.163		.1692							
.177			.0858						
.229	.0760								
.246		.1222							
.250				.0707	.0289	-.0150	-.1300		
.274			.0751						

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(6) = 4.253 BETA0 (4) = 4.095

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.3979	
.362	.0000								
.390		.1188							
.400				.0262	-.0136		-.1911		
.402			.0437						
.418									-.8114
.497	.1144								
.503								-.3105	
.550				-.1210	-.1892				
.565			-.1103						
.600							-.2566		
.637		-.0733							
.650						-.2834			
.670								-.3477	
.700	-.0449				-.2407				
.725				-.2217					
.730									-.6575
.750						.0750	-.1079		
.760			-.2090						
.775				-.0836	-.0885				
.798		-.1507							
.808			-.2430						
.834	-.2349								
.839		-.2360							
.850				-.3223	-.3201	-.3967			
.857			-.3332						
.862								-.5447	
.865	-.2595								
.879		-.2787							
.900	-.2560			-.3361			-.5128		
.905			-.3546						
.919		-.2711							
.950				-.2190	-.2074	-.2602			
.953			-.2664						
.955		-.2242							
.965	-.2272								
1.000			-.1343		-.0318		-.1857		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETLIS)

ALPHA0(6) = 4.245 BETA0(5) = 6.148

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2530	-.0955	.1376	.4497	.3954	.3501	.2378	-.5728	
.010	-.2198	-.1059	.2061	.2180	.1341	.1828	.1760		
.020	-.1542	-.0142	.2233	.1174	.0984	.0965	.0541	-.4034	
.040		.0178	.1819						
.050	-.0679			.0813	.0363	.0344	-.0006		
.069				.0681				-.3647	
.080									
.081			.1375						
.096		.1180							
.094	-.0137								
.150				.0711	.0424	.0131	-.0865		
.157								-.3764	
.163		.1501							
.177			.1114						
.229	.0710								
.246		.1190							
.250				.0628	.0188	-.0318	-.1441		
.274			.0942						
.345								-.4159	
.362	.0000								
.390		.1198							
.400				.0124	-.0331		-.2056		
.402			.0662						
.418								-.9198	
.497	.1176								
.503								-.3139	
.550				-.1262	-.1923				
.565			-.0856						
.600							-.2633		
.637		-.0871							
.650					-.2961				
.670								-.3586	
.700	-.0775				-.2564				
.725				-.1993					
.730								-.7744	
.750						.0454	-.1035		
.760			-.1510						
.775				-.1258	-.1255				
.798		-.1494							
.808			-.2065						
.834	-.2313								
.839		-.2326							
.850				-.2880	-.2949	-.3885			
.857			-.2842						
.862								-.5827	

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP1ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(6) = 4.245 BETA0 (5) = 6.148

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.865	-.2473							
.879		-.2675						
.900	-.2435			-.2876			-.5211	
.905			-.2983					
.919		-.2724						
.950				-.2129	-.2187	-.1839		
.953			-.2402					
.955		-.2420						
.965	-.2442							
1.000			-.1272		-.0920		-.0276	

ALPHA0(7) = 5.304 BETA0 (1) = -4.072

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.0883	.0022	.3817	.5858	.5482	.4944	.3503	-.4660
.010	-.0123	.0837	.4625	.3748	.3662	.4459	.4205	
.020	.0240	.1769	.4371	.2546	.3064	.3251	.2892	-.2558
.040		.2136	.2990					
.050	.0589			.1939	.2086	.2265	.1928	
.069								-.2129
.080				.1743				
.081			.2001					
.086		.2857						
.094	.0761							
.150				.1807	.1820	.1597	.0664	
.157								-.2132
.163		.2642						
.177			.1813					
.229	.1557							
.246		.1836						
.250				.1837	.1420	.0939	-.0063	
.274			.1940					
.345								-.1908
.362	.0000							
.390		.2186						
.400				.1430	.0866		-.0824	
.402			.2040					
.418								-.6185
.497	.2043							
.503								-.1540
.550				-.0240	-.1051			

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(7) = 5.304 BETA(1) = -4.072

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.585			.0486						
.600							-.1467		
.637		.0870							
.650						-.1685			
.670								-.2652	
.700	.2032				-.1639				
.725			-.0963						
.730								-.4853	
.750						.1738	-.0752		
.760			-.0246						
.775				.0292	-.0108				
.798		-.0168							
.808			-.1009						
.834	-.1781								
.839		-.1738							
.850				-.3089	-.2915	-.3816			
.857			-.3370						
.862								-.4370	
.865	-.2413								
.879		-.3464							
.900	-.3331			-.4821			-.4512		
.905			-.4986						
.919		-.3681							
.950				-.1884	-.4597	-.5486			
.953			-.1769						
.955		-.1890							
.965	-.2296								
1.000			.0100		-.0587		-.4915		

ALPHA(7) = 5.305 BETA(2) = -2.036

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1300	-.0216	.3601	.5700	.5171	.4679	.3364	-.4969	
.010	-.0516	.0524	.4354	.3307	.3132	.3956	.3799		
.020	-.0014	.1471	.4091	.2097	.2586	.2783	.2528	-.2932	
.040		.1868	.2793						
.050	.0404			.1572	.1733	.1867	.1574		
.069								-.2504	
.080				.1430					
.081			.1870						
.086		.2650							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(7) = 5.305 BETA0 (2) = -2.036

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			.0047		-.0185		-.4610		

ALPHA0(7) = 5.302 BETA0 (3) = .007

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1735	-.0794	.3108	.5319	.4808	.4263	.3018	-.5370	
.010	-.1044	-.0210	.3938	.2949	.2515	.3403	.3299		
.020	-.0424	.0980	.3770	.1797	.2051	.2300	.2012	-.3336	
.040		.1405	.2570						
.050	.0147			.1225	.1275	.1407	.1162		
.069								-.2881	
.080				.1040					
.081			.1612						
.086		.2309							
.094	.0421								
.150				.1119	.1176	.0939	-.0011		
.157								-.2911	
.163		.2255							
.177			.1309						
.229	.1191								
.246		.1355							
.250				.1150	.0822	.0357	-.0682		
.274			.1252						
.345								-.2718	
.362	.0000								
.390		.1495							
.400				.0818	.0267		-.1434		
.402			.1267						
.418									-.6536
.497	.1435								
.503								-.2069	
.550			-.0239	-.0710	-.1558				
.565									
.600							-.2140		
.637		-.0079							
.650						-.2281			
.670								-.3059	
.700	.0831				-.2134				
.725			-.1350						
.730									-.5186
.750					.1217	-.0982			

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(7) = 5.302 BETA0 (3) = .007

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.760			-.0702					
.775				-.0002	-.0416			
.798		-.0774						
.808			-.1203					
.834	-.2052							
.839		-.1924						
.850				-.3238	-.3084	-.3983		
.857			-.3347					
.862								-.4792
.865	-.2421							
.879		-.3271						
.900	-.3107			-.4853			-.4820	
.905			-.4675					
.919		-.3396						
.950				-.1905	-.2994	-.5545		
.953			-.1992					
.955		-.2087						
.965	-.2341							
1.000			-.0227		.0007		-.4258	

ALPHA0(7) = 5.302 BETA0 (4) = 2.065

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.2163	-.1233	.2672	.4939	.4543	.4000	.2682	-.5899
.010	-.1519	-.0801	.3577	.2775	.2117	.2847	.2852	
.020	-.0830	.0413	.3516	.1639	.1607	.1798	.1628	-.3786
.040		.0800	.2456					
.050	-.0105			.1096	.0814	.1070	.0791	
.069								-.3276
.080				.0926				
.081			.1534					
.086		.1883						
.094	.0280							
.150				.0907	.0806	.0691	-.0247	
.157								-.3310
.163		.1980						
.177			.1201					
.229	.1028							
.246		.1329						
.250				.0896	.0558	.0118	-.0900	
.274			.1087					

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(7) = 5.302 BETA0 (4) = 2.065

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.3280	
.362	.0000								
.390		.1257							
.400				.0473	.0073		-.1701		
.402			.0930						
.418								-.6900	
.497	.1283								
.503								-.2515	
.550				-.1120	-.1772				
.565			-.0715						
.600							-.2456		
.637		-.0738							
.650						-.2648			
.670								-.3291	
.700	-.0147				-.2585				
.725				-.1878					
.730								-.5518	
.750						.1089	-.1078		
.760			-.1365						
.775				-.0297	-.0518				
.798		-.1425							
.808			-.1813						
.834	-.2353								
.839		-.2323							
.850				-.3323	-.3157	-.3968			
.857			-.3225						
.862								-.4999	
.865	-.2535								
.879		-.2980							
.900	-.2756			-.4856			-.4973		
.905			-.3593						
.919		-.2892							
.950				-.2326	-.3390	-.5660			
.953			-.2205						
.955		-.2179							
.965	-.2263								
1.000			-.0598		-.0021		-.3982		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL15)

ALPHA(7) = 5.298 BETA(5) = 4.107

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2482	-.1475	.2167	.4590	.4228	.3642	.2296	-.6442	
.010	-.2092	-.1302	.3141	.2716	.2075	.2722	.2640		
.020	-.1282	-.0085	.3164	.1666	.1626	.1651	.1448	-.4227	
.040		.0314	.2199						
.050	-.0427			.1101	.0834	.0912	.0608		
.069				.0894				-.3575	
.080									
.081			.1396						
.086		.1516							
.094	-.0036								
.150				.0875	.0712	.0537	-.0440		
.157								-.3469	
.163		.1728							
.177			.1161						
.229	.0814								
.246		.1323							
.250				.0841	.0450	-.0022	-.1078		
.274			.1050						
.345								-.3359	
.362	.0000								
.390		.1220							
.400				.0371	-.0080		-.1770		
.402			.0781						
.418								-.7387	
.497	.1217								
.503								-.2657	
.550				-.1162	-.1872				
.565			-.0853						
.600							-.2112		
.637		-.0664							
.650						-.2348			
.670								-.3541	
.700	-.0412				-.2110				
.725				-.1949					
.730								-.6033	
.750						.0967	-.1173		
.760			-.1599						
.775				-.0668	-.0734				
.798		-.1420							
.808			-.2067						
.834	-.2297								
.839		-.2374							
.850				-.3257	-.3315	-.4053			
.857			-.3002						
.862								-.5227	

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ARC11-019 1A81 LVAP(ELML SEALED) LEFT WING BOT.

(RETL15)

ALPHA0(7) = 5.298 BETAO (5) = 4.107

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2542								
.879		-.2853							
.900	-.2516			-.3719				-.5070	
.905			-.3060						
.919		-.2754							
.950				-.2140	-.2435	-.5009			
.953			-.2423						
.955		-.2192							
.965	-.2347								
1.000			-.0931		-.0337			-.3268	

X/CW

.865 -.2542
 .879 -.2853
 .900 -.2516 -.3719 -.5070
 .905 -.3060
 .919 -.2754
 .950 -.2140 -.2435 -.5009
 .953 -.2423
 .955 -.2192
 .965 -.2347
 1.000 -.0931 -.0337 -.3268

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 2.250
 ELV-18 = 8.000 ELV-09 = 8.000
 RUDDER = .000 SPDBRK = .000

ALPHA(1) = -6.246 BETA(1) = -4.078

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1206	-.0319	.4018	.5636	.4595	.4018	.4192	-.1316	
.010	-.1747	-.1146	.1717	-.4706	-.6986	-.5919	-.3523		
.020	-.2167	-.1323	.0860	-.5601	-.7373	-.5782	-.3015	-.1208	
.040		-.0322	-.0427						
.050	-.1070			-.4318	-.6653	-.5471	-.2981		
.069								-.1356	
.080				-.2400					
.081			-.0470						
.086		.1517							
.094	-.2686								
.150				-.0630	-.1083	-.4622	-.3021		
.157								-.1282	
.163		.1285							
.177			-.0916						
.229	-.1053								
.246		.0399							
.250				.0895	.1033	-.1829	-.3096		
.274			.1072						
.345								-.1467	
.362	.0000								
.390		.1629							
.400				.2492	.2016		-.2732		
.402			.2490						
.418								-.1305	
.497	.1251								
.503								-.1591	
.550				.2018	.0953				
.565		.2446							
.600							-.0346		
.637		.2637							
.650						-.0936			
.670							-.2870		
.700	.3114			-.1771					
.725			-.1952						
.730								-.3794	
.750					.0628	.0253			
.760		-.3174							
.775			-.1031	-.0912					

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ARC11-019 IAB1 LVAP(ELML SEALED) LEFT WING BOT.

(RETL16)

ALPHA(1) = -6.248 BETA(1) = -4.078

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.798		-.2715							
.808			-.2064						
.834	-.1913								
.839		-.1847							
.850				-.3565	-.3248	-.2597			
.857			-.3721						
.862								-.3459	
.865	-.2330								
.879		-.3972							
.900	-.4024			-.5244				-.3338	
.905			-.5514						
.919		-.5440							
.950				-.6290	-.5184	-.4534			
.953			-.5743						
.955		-.5387							
.965	-.4295								
1.000			-.2263		-.3552		-.3112		

ALPHA(1) = -6.234 BETA(2) = -2.033

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1562	-.0471	.3714	.5187	.4075	.3523	.3637	-.1263	
.010	-.1994	-.0913	.1486	-.4910	-.7333	-.6147	-.4153		
.020	-.2470	-.0191	.0801	-.5432	-.7666	-.6277	-.3732	-.1313	
.040		.0244	-.0494						
.050	-.1075			-.4249	-.6851	-.6030	-.3722		
.069								-.1320	
.080				-.2456					
.081			-.0585						
.086		.1316							
.094	-.2632								
.150				-.0882	-.1925	-.5091	-.3884		
.157								-.1417	
.163		.1134							
.177			-.0907						
.229	-.0329								
.246		.0256							
.250				.0361	.0240	-.2798	-.4015		
.274			.0710						
.345								-.1713	
.362	.0000								

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(1) = -6.234 BETA(2) = -2.033

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.390			.1302							
.400					.2045	.1852		-.3242		
.402				.1865						
.418										-.1477
.497	.1035									
.503									-.1777	
.550					.1767	.0781				
.565			.1940							
.600								.0028		
.637		.2087								
.650							-.1009			
.670									-.3319	
.700	.2406					-.1877				
.725					-.2142					
.730										-.2429
.750							.0309	.0324		
.760				-.3141						
.775					-.1206	-.1067				
.798		-.2038								
.808			-.2226							
.834	-.2038									
.839		-.2169								
.850					-.3673	-.3395	-.2663			
.857				-.3955						
.862									-.3433	
.865	-.2420									
.879		-.4131								
.900	-.3973				-.5377			-.3484		
.905			-.5714							
.919		-.5426								
.950					-.6491	-.5349	-.4549			
.953			-.6334							
.955		-.5191								
.965	-.4313									
1.000			-.2456			-.4119		-.3635		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(1) = -6.194 BETA(3) = .038

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.000	-.2205	-.0551	.3454	.4706	.3531	.2954	.2971	-.1271		
.010	-.2498	-.0311	.1562	-.5346	-.7696	-.6520	-.4949			
.020	-.2964	.0169	.0892	-.5346	-.7344	-.6520	-.4652	-.1294		
.040		.0406	-.0326							
.050	-.1544			-.3920	-.7060	-.6429	-.4740			
.069								-.1348		
.080				-.2491						
.081			-.0540							
.086		.1246								
.094	-.2679									
.150				-.1246	-.2476	-.5938	-.4669			
.157								-.1466		
.163		.1150								
.177			-.0476							
.229	-.0176									
.246		.0323								
.250				-.0403	-.0915	-.2921	-.4568			
.274			.0303							
.345								-.1652		
.362	.0000									
.390		.0900								
.400				.1167	.1635		-.2899			
.402			.0787							
.418								-.1249		
.497	.0705									
.503								-.2137		
.550				.1193	.0565					
.565		.1123								
.600							.0024			
.637		.1169								
.650						-.1169				
.670								-.3624		
.700	.1274				-.2069					
.725			-.2615							
.730								-.2450		
.750						-.0019	.0219			
.760			-.3089							
.775				-.1631	-.1232					
.798	-.1975									
.808			-.2381							
.834	-.2486									
.839		-.2197								
.850				-.3858	-.3652	-.2823				
.857			-.4215							
.862								-.3726		

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ARC11-019 1A81 LVAP(ELML SEALED) LEFT WING BOT.

(RETL16)

ALPHA0(1) = -6.194 BETA0(3) = .038

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.865	- .2733									
.879		- .4173								
.900	- .3926				- .5500			- .3746		
.905				- .5909						
.919		- .5180								
.950					- .6500	- .5553	- .4713			
.953				- .6328						
.955		- .4767								
.965	- .4036									
1.000			- .2456		- .4325			- .4221		

ALPHA0(1) = -6.181 BETA0(4) = 2.103

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	- .2832	- .0210	.3169	.4354	.3187	.2426	.2423	- .1601		
.010	- .3046	.0070	.1641	- .5227	- .7575	- .6801	- .5382			
.020	- .3288	.0414	.1062	- .4702	- .6828	- .6459	- .5129	- .1574		
.040		.0626	- .0024							
.050	- .1836			- .2689	- .6784	- .6415	- .5028			
.069								- .1618		
.080				- .1976						
.081			- .0279							
.086		.1227								
.094	- .2579									
.150				- .0972	- .1615	- .6023	- .4865			
.157								- .1749		
.163		.1176								
.177			- .0089							
.229	- .0130									
.246		.0457								
.250				- .0349	- .0802	- .2285	- .4693			
.274			.0252							
.345								- .2268		
.362	.0000									
.390		.0706								
.400				.0331	.1307		- .2909			
.402			.0534							
.418									- .1481	
.497	.0701									
.503								- .3104		
.550				.0639	.0258					

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(1) = -8.181 BETA(4) = 2.103

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565			.0327						
.600							-.0330		
.637		.0204							
.650						-.1390			
.670								-.3663	
.700	.0250				-.2380				
.725				-.3098					
.730									-.2526
.750					-.0328	.0081			
.760			-.3336						
.775				-.2080	-.1545				
.798		-.2215							
.808			-.2526						
.834	-.2837								
.839		-.2569							
.850				-.4052	-.3999	-.3130			
.857			-.4244						
.862								-.3957	
.865	-.2976								
.879		-.4007							
.900	-.3559			-.5482			-.3911		
.905			-.5473						
.919		-.4570							
.950				-.6438	-.5778	-.4993			
.953			-.5599						
.955		-.4314							
.965	-.3673								
1.000			-.2329		-.4451		-.4801		

ALPHA(1) = -6.169 BETA(5) = 4.159

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.3384	-.0038	.3065	.4127	.2799	.1987	.1946		-.2049
.010	-.3392	.0196	.1726	-.5051	-.7233	-.6799	-.5356		
.020	-.3233	.0508	.1219	-.4220	-.6624	-.6138	-.5122		-.2080
.040		.0666	.0274						
.050	-.2522			-.2191	-.6536	-.5954	-.5146		
.069									-.2029
.080				-.1512					
.081			.0076						
.086		.1157							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA0(1) = -5.169 BETA0(5) = 4.159

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3540 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW
1.000 -.2399 -.4020 -.4696

ALPHA0(2) = -4.136 BETA0(1) = -6.157

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3540 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW	CP	CP	CP	CP	CP	CP	CP	CP	CP
.000	-.0884	.0321	.4823	.6411	.5700	.5481	.5695	-.0440	
.010	-.1407	-.0439	.2876	-.3064	-.5212	-.4433	-.3510		
.020	-.1957	-.0932	.2002	-.3346	-.5161	-.3801	-.3772	-.0772	
.040		-.0384	.0464						
.050	-.0337			-.2115	-.4494	-.3547	-.3732		
.069								-.0732	
.080				-.1186					
.081			.0125						
.086		.2020							
.094	-.2359								
.150				.0845	.0955	.0170	-.0796		
.157								-.0238	
.163		.1715							
.177			.0796						
.229	-.0908								
.246		.0776							
.250				.2168	.1857	.1288	.0576		
.274			.2002						
.345								-.0534	
.362	.0000								
.390		.2467							
.400				.3107	.2423		.0852		
.402			.3256						
.418									-.1042
.497	.2130								
.503								-.1179	
.550				.2401	.1291				
.565		.2934							
.600							-.0910		
.637		.3266							
.650						-.0779			
.670								-.1119	
.700	.4114			-.1502					
.725			-.1614						
.730									-.5512
.750						.0742	.0034		

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RFTL16)

ALPHA(2) = -4.136 BETA(1) = -6.157

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.760				-.3007						
.775					-.0668	-.0493				
.798			-.3472							
.808				-.2268						
.834	-.1542									
.839			-.1687							
.850					-.3370	-.2916	-.2513			
.857				-.3759						
.862									-.3450	
.865	-.2258									
.879			-.3842							
.900	-.3925				-.5192				-.3220	
.905				-.5450						
.919			-.5469							
.950					-.6337	-.4817	-.4338			
.953				-.4525						
.955			-.4778							
.965	-.4535									
1.000				-.1997	-.3056			-.1680		

ALPHA(2) = -4.125 BETA(2) = -4.102

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1133	-.0334	.4428	.6013	.5197	.4830	.5184		-.1032	
.010	-.1590	-.0898	.2641	-.3514	-.5609	-.4718	-.3715			
.020	-.2084	-.0960	.1772	-.3701	-.5778	-.3755	-.3348		-.0944	
.040		.0086	.0316							
.050	-.1138				-.2500	-.5086	-.3424	-.3341		
.069									-.0769	
.080					-.1483					
.081				-.0037						
.086		.1667								
.094	-.2641									
.150				.0259	.0777	-.0972	-.1514			
.157									-.0550	
.163		.1523								
.177			.0384							
.229	-.1060									
.246		.0610								
.250				.1636	.1603	.1338	.0002			
.274			.1569							

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(REF L 16)

ALPHA0 (2) = -4.108 BETA0 (3) = .014

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2233	-.0314	.3858	.5167	.4151	.3620	.3735	-.1281
.010	-.2495	.0066	.2526	-.3669	-.6258	-.5799	-.3705	
.020	-.2772	.0353	.1854	-.3252	-.5998	-.6073	-.3250	-.1190
.040		.0576	.0493					
.050	-.1596			-.2094	-.5576	-.5692	-.3159	
.069								-.0982
.080				-.1337				
.081			-.0040					
.086		.1531						
.094	-.2674							
.150				-.0397	-.1141	-.2281	-.2974	
.157								-.1059
.163		.1452						
.177			.0113					
.229	.0002							
.246		.0603						
.250				.0248	.0465	.1261	-.2327	
.274			.0649					
.345								-.1274
.362	.0000							
.390		.1151						
.400				.1895	.1865		.1057	
.402			.1277					
.418								-.1533
.497	.1060							
.503								-.1611
.550			.1531	.0699				
.565		.1352						
.600							-.1093	
.637		.1309						
.650						-.1207		
.670								-.2384
.700	.1594			-.2299	-.2060			
.725								
.730								-.4258
.750						.0227	-.0127	
.760		-.2993						
.775			-.1393	-.1205				
.798	-.1929							
.808		-.2379						
.834	-.2103							
.839		-.2268						
.850			-.3785	-.3637	-.3011			
.857			-.4110					
.862								-.3228

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA0(2) = -4.108 BETA0 (3) = .014

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2383								
.879		-.4219							
.900	-.3843			-.5509			-.3814		
.905			-.5807						
.919		-.5274							
.950				-.6528	-.5462	-.4806			
.953			-.5681						
.955		-.4609							
.965	-.3861								
1.000			-.2284		-.4169		-.4224		

ALPHA0(2) = -4.082 BETA0 (4) = 4.132

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3509	-.0022	.3177	.4677	.3415	.2876	.2981	-.1643	
.010	-.3293	.0228	.2475	-.2697	-.5909	-.6037	-.4931		
.020	-.2920	.0613	.1991	-.2264	-.5177	-.5368	-.4149	-.1571	
.040		.0809	.1035						
.050	-.2774			-.1490	-.4709	-.5150	-.4159		
.069								-.1588	
.080				-.0910					
.081			.0478						
.086		.1421							
.094	-.2434								
.150				-.0213	-.0704	-.1706	-.3293		
.157								-.1412	
.163		.1401							
.177			.0506						
.229	.0009								
.246		.0822							
.250			.0297	-.0283	.0854	-.1383			
.274			.0697						
.345								-.1828	
.362	.0000								
.390		.1123							
.400			.0565	.1206		.0367			
.402			.0813						
.418								-.1319	
.497	.1028								
.503								-.2349	
.550			.0210	-.0058					

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(2) = -4.082 BETA(4) = 4.132

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.565				-.0071						
.600								-.1613		
.637			-.0117							
.650							-.1767			
.670								-.1869		
.700	-.0117					-.2774				
.725					-.3330					
.730										-.2935
.750							-.0785	-.0743		
.760				-.2210						
.775					-.1815	-.1846				
.790			-.1850							
.808				-.2281						
.834	-.2713									
.839			-.2671							
.850					-.3670	-.4044	-.3606			
.857				-.3731						
.862									-.3456	
.865	-.2808									
.879		-.3536								
.900	-.3124				-.4966			-.4121		
.905			-.4666							
.919		-.3914								
.950					-.5669	-.5436	-.5374			
.953			-.4345							
.955		-.3573								
.965	-.3150									
1.000			-.2107		-.3607		-.4839			

ALPHA(2) = -4.074 BETA(5) = 6.189

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.4234	.0135	.2811	.4419	.3050	.2536	.2620	-.1707		
.010	-.3700	.0310	.2279	-.2021	-.5188	-.5809	-.5272			
.020	-.3215	.0613	.1976	-.1777	-.4721	-.4944	-.4654	-.1710		
.040		.0754	.1112							
.050	-.3229			-.1093	-.3387	-.4659	-.4472			
.069								-.1730		
.080				-.0599						
.081			.0609							
.086		.1290								

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(2) = -4.074 BETA(5) = 6.189

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CM									
.094	-.2106								
.150				.0061	-.0485	-.1183	-.3540		
.157								-.1703	
.163		.1238							
.177			.0653						
.229	-.0071								
.246		.0819							
.250				.0495	-.0092	-.0068	-.0837		
.274			.0837						
.345								-.2175	
.362	.0000								
.390		.1237							
.400				.0502	.0561		.0006		
.402			.0857						
.418								-.1512	
.497	.1095								
.503								-.2162	
.550			-.0402	-.0372	-.0539				
.565							-.1848		
.600									
.637		-.0429							
.650						-.2027			
.670								-.1821	
.700	-.0729				-.3127				
.725			-.3289						
.730								-.2806	
.750						-.1145	-.1070		
.760			-.2041						
.775				-.1577	-.1699				
.798		-.2087							
.808			-.2348						
.834	-.2676								
.839		-.2644							
.850				-.3285	-.3598	-.3668			
.857			-.3494						
.862								-.3663	
.865	-.2812								
.879		-.3274							
.900	-.3056			-.4410			-.4168		
.905			-.4256						
.919		-.3568							
.950				-.4965	-.4780	-.5144			
.953			-.4086						
.955		-.3318							
.965	-.3212								

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(2) = -4.074 BETA(5) = 6.189

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		-.2259		-.3486		-.4525		

ALPHA(3) = -2.033 BETA(1) = -6.165

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000	-.0958	.0054	.5181	.6910	.6526	.6431	.6394	.0661
	.010	-.1380	-.0227	.4000	-.0511	-.1873	-.1812	-.0807	
	.020	-.1868	-.0786	.3056	-.0944	-.1289	-.1358	-.2036	.0672
	.040		.0126	.1528					
	.050	-.0549			-.0228	-.0617	-.0549	-.0757	
	.069								.0169
	.080			.0968	.0255				
	.081								
	.086		.2381						
	.094	-.2288							
	.150			.1778	.1852	.1692	.0975		
	.157							.0122	
	.163		.2206						
	.177			.1559					
	.229	-.1102							
	.246		.1491						
	.250			.2627	.2348	.1894	.1042		
	.274		.2547						
	.345								-.0360
	.362	.0000							
	.390		.2956						
	.400			.3307	.2684		.1039		
	.402		.3562						
	.418								-.2073
	.497	.2598							
	.503								-.1088
	.550			.2431	.1395				
	.565		.3036						
	.600						-.0869		
	.637	.3397							
	.650				-.0777				
	.670							-.0801	
	.700	.4243		-.1478					
	.725		-.1647						
	.730								-.7532
	.750				.0675	.0146			

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA0(3) = -2.033 BETA0 (1) = -6.165

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.760			-.2991					
.775				-.0674	-.0366			
.798		-.3477						
.808			-.2258					
.834	-.1576							
.839		-.1689						
.850				-.3332	-.2851	-.2488		
.857			-.3732					
.862								-.3414
.865	-.2044							
.879		-.3796						
.900	-.3981			-.5190			-.3225	
.905			-.5426					
.919		-.5450						
.950				-.6048	-.4648	-.4307		
.953			-.4608					
.955		-.4008						
.965	-.4128							
1.000			-.1847		-.2777		-.2416	

ALPHA0(3) = -2.021 BETA0 (2) = -2.073

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.000	-.1764	-.0542	.4512	.6108	.5419	.5201	.5436	-.0034
.010	-.2034	-.0209	.3520	-.1214	-.3670	-.3439	-.1910	
.020	-.2291	.0258	.2713	-.1428	-.2959	-.2621	-.2929	.0017
.040		.0436	.1259					
.050	-.1187			-.0977	-.2100	-.2109	-.1809	
.069								-.0341
.080				-.0566				
.081			.0602					
.086		.1895						
.094	-.2352							
.150				.0759	.1067	.1102	.0410	
.157								-.0366
.163		.1874						
.177			.0881					
.229	-.0455							
.246		.1005						
.250				.1775	.1798	.1493	.0738	
.274			.1699					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(3) = -2.021 BETA(2) = -2.073

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CM

.345								-.0820	
.362	.0000								
.390		.2148							
.400				.2651	.2265		.0694		
.402			.2744						
.418									-.2443
.497	.1878								
.503								-.1498	
.550				.1946	.1015				
.565			.2380						
.600							-.1191		
.637		.2489							
.650						-.1091			
.670								-.1215	
.700	.2972				-.1844				
.725				-.2104					
.730									-.7896
.750						.0188	-.0375		
.760			-.3327						
.775				-.1254	-.0835				
.798		-.2761							
.808			-.2353						
.834	-.1857								
.839		-.2060							
.850				-.3656	-.3362	-.2885			
.857			-.3926						
.862								-.3881	
.865	-.2131								
.879		-.4018							
.900	-.3987			-.5433			-.3599		
.905			-.5635						
.919		-.5370							
.950				-.6583	-.5306	-.4724			
.953			-.6061						
.955		-.4268							
.965	-.4023								
1.000			-.2214		-.3506		-.2449		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(3) = -2.004 BETA(3) = 2.061

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2992	-.0352	.3785	.5276	.4467	.4132	.4498	-.0674	
.010	-.2805	.0033	.3197	-.1019	-.3805	-.4487	-.2895		
.020	-.2395	.0605	.2648	-.1022	-.3016	-.3514	-.3226	-.0596	
.040		.0918	.1449						
.050	-.2182			-.0757	-.2410	-.2949	-.2593		
.069								-.0772	
.080				-.0546					
.081			.0811						
.086		.1724							
.094	-.2351								
.150				.0272	.0236	.0494	-.0041		
.157								-.0617	
.163		.1775							
.177			.0770						
.229	.0113								
.246		.1091							
.250				.0842	.1076	.1059	.0222		
.274			.1009						
.345								-.1164	
.362	.0000								
.390		.1388							
.400				.1499	.1600		.0340		
.402			.1347						
.418								-.2408	
.497	.1340								
.503								-.1847	
.550				.0879	.0348				
.565			.0729						
.600							-.1573		
.637		.0570							
.650						-.1524			
.670								-.1641	
.700	.0795				-.2439				
.725				-.2946					
.730								-.7503	
.750						-.0393	-.0891		
.760			-.3276						
.775				-.2101	-.1576				
.798		-.2020							
.808			-.2490						
.834	-.2412								
.839		-.2483							
.850				-.4029	-.4034	-.3412			
.857			-.4170						
.862								-.4271	

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(3) = -1.987 BETA(4) = 6.166

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.0167						
.607							-.2072		
.637		-.0188							
.550						-.2107			
.1570								-.1837	
.700	-.0367				-.3104				
.725			-.3023						
.730									-.4437
.750						-.1109	-.1466		
.760			-.1797						
.775				-.1303	-.1547				
.798		-.1805							
.808			-.2152						
.834	-.2500								
.839		-.2464							
.850				-.3180	-.3403	-.3860			
.857			-.3409						
.862								-.4322	
.865	-.2694								
.879		-.3195							
.900	-.2928			-.4407			-.4407		
.905			-.4242						
.919		-.3543							
.950				-.5079	-.4828	-.5257			
.953			-.4010						
.955		-.3273							
.965	-.3136								
1.000			-.2056		-.3067		-.4817		

ALPHA(4) = .070 BETA(1) = -6.166

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0893	-.0315	.5354	.7271	.7009	.6937	.6625	.0851	
.010	-.1139	-.0349	.4761	.1663	.0968	.1774	.2357		
.020	-.1203	-.0713	.4018	.0659	.1140	.1272	.1015	.1240	
.040		.0551	.2461						
.050	-.0565			.1081	.1157	.1426	.1286		
.069								.0619	
.080				.1429					
.081			.1810						
.086		.2705							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA0(4) = .070 BETA0 (1) = -6.166

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000								

X/CW

1.000

-.1757

-.2433

-.3732

ALPHA0(4) = .076 BETA0 (2) = -4.111

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									

X/CW

.000

-.1347

-.0493

.5030

.6914

.6591

.6476

.6223

.0436

.010

-.1495

-.0451

.4482

.1231

.0397

.1161

.1813

.020

-.1041

.0291

.3792

.0344

.0586

.0753

.0608

.0835

.040

.0700

.2286

.050

-.0942

.0766

.0735

.1011

.0972

.0319

.069

.080

.081

.086

.094

.100

.157

.163

.177

.229

.246

.250

.274

.345

.362

.390

.400

.402

.418

.497

.503

.550

.565

.600

.637

.650

.670

.700

.725

.730

.750

.2355

.1631

.1098

.1998

.2280

.2047

.1316

.2492

.1947

.1837

.2718

.2728

.2558

.2195

.1201

.0000

.3045

.3534

.3221

.2707

.1097

.2709

.2293

.1314

.3193

.2946

.0970

.3925

-.1839

-.1612

-.0881

-.0747

.0535

-.0097

-.9075

IA81A - PRESSURE SOURCE DATA TABULATION

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

X/CW

.760		-.3114			
.775			-.0925	-.0477	
.798	-.3383				
.808		-.2261			
.834	-.1593				
.839	-.1748				
.850			-.3420	-.3039	-.2646
.857		-.3747			
.862					-.3591
.865	-.1972				
.879	-.3807				
.900	-.3974		-.5215		-.3379
.905		-.5508			
.919	-.5422				
.950			-.6111	-.4833	-.4468
.953		-.5291			
.955	-.3713				
.965	-.3677				
1.000		-.1805	-.2781		-.3083

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

X:CH

.000	.2433	-.0660	.4274	.6033	.5542	.5484	.5504	-.0117
.010	-.1948	-.0257	.3980	.0819	-.0817	-.0558	.0847	
.020	-.1416	.0279	.3442	-.0005	-.0465	-.0323	-.0387	.0284
.040		.0736	.2089					
.050	-.1714			.0263	-.0326	.0157	.0370	
.069				.0464				-.0121
.080								
.081			.1296					
.086		.2036						
.094	-.1782							
.150				.1020	.1523	.1725	.0816	
.157								-.0279
.163		.2181						
.177			.1313					
.229	.0139							
.246		.1459						
.250				.1824	.1929	.1749	.0905	
.274			.1715					

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(4) = .084 BETAD (3) = -.007

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.0941	
.362	.0000								
.390		.2052							
.400				.2407	.2245		.0723		
.402			.2369						
.418								-.4365	
.497	.1833								
.503								-.1616	
.550				.1670	.0899				
.565			.1854						
.600							-.1285		
.637		.1813							
.650						-.1215			
.670								-.1272	
.700	.2223				-.2055				
.725				-.2330					
.730									-.9096
.750						-.0002	-.0597		
.760			-.3489						
.775				-.1596	-.1051				
.798		-.2856							
.808			-.2604						
.834	-.1809								
.839		-.2283							
.850				-.3857	-.3602	-.3101			
.857			-.4099						
.862								-.4058	
.865	-.2212								
.879		-.4188							
.900	-.3906			-.5635			-.3810		
.905			-.5829						
.919		-.5374							
.950				-.6417	-.5502	-.4993			
.953			-.5124						
.955		-.4110							
.965	-.3689								
1.000			-.2011		-.3747		-.3145		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA0 (4) = .099 BETA0 (4) = 4.099

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3654	-.0538	.3474	.5566	.4880	.4720	.4692	-.0824	
.010	-.3251	-.0323	.3590	.1183	-.0613	-.0659	.0208		
.020	-.2806	.0490	.3362	.0452	-.0376	-.0492	-.0709	-.0407	
.040		.0805	.2293						
.050	-.2745			.0548	-.0271	-.0184	-.0001		
.069				.0652				-.0724	
.080									
.081			.1534						
.086		.1841							
.094	-.2257								
.150				.1053	.1132	.1165	.0370		
.157								-.0872	
.163		.2159							
.177			.1398						
.229	.0305								
.246		.1520							
.250				.1411	.1264	.1256	.0339		
.274			.1514						
.345								-.1519	
.362	.0000								
.390		.1837							
.400				.1467	.1520		.0167		
.402			.1609						
.418									-.4840
.497	.1691								
.503								-.2143	
.550			.0515	.0072					
.565		.0435							
.600							-.1840		
.637		.0347							
.650						-.1759			
.670								-.1799	
.700	.0414				-.2743				
.725			-.3201						
.730									-.9016
.750						-.0726	-.1246		
.760			-.2148						
.775				-.1747	-.1792				
.798		-.1500							
.808			-.2100						
.834	-.2457								
.839		-.2383							
.850				-.3403	-.4017	-.3656			
.857			-.3484						
.862								-.4537	

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA0(4) = .099 BETA0 (4) = 4.099

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.885	-.2545								
.879		-.3313							
.900	-.2921			-.4611				-.4298	
.905			-.4365						
.919		-.3684							
.950				-.5163	-.4939	-.5553			
.953			-.4052						
.955		-.3374							
.965	-.3019								
1.000			-.1706		-.2623		-.4649		

ALPHA0(4) = .104 BETA0 (5) = 6.156

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.4435	-.0148	.3068	.5167	.4552	.4339	.4320	-.0984	
.010	-.4082	-.0278	.3213	.1295	-.0643	-.0887	-.0045		
.020	-.3617	.0443	.2995	.0599	-.0433	-.0612	-.0859	-.0636	
.040		.0824	.2100						
.050	-.3509			.0699	-.0281	-.0271	-.0123		
.069								-.0926	
.080				.0783					
.081			.1501						
.086		.1562							
.094	-.2083								
.150				.1108	.0992	.1002	.0252		
.157								-.1085	
.163		.1830							
.177			.1477						
.229	.0348								
.246		.1533							
.250				.1345	.1043	.1073	.0123		
.274			.1552						
.345								-.1722	
.362	.0000								
.390		.1843							
.400				.1181	.1195		-.0073		
.402			.1494						
.418								-.4628	
.497	.1672								
.503								-.2347	
.550				.0006	-.0344				

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA0(4) = .104 BETA0 (5) = 6.156

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.565			.0139					
.600							-.2060	
.637		.0083						
.650						-.2031		
.670							-.2056	
.700	-.0073				-.3023			
.725				-.2826				
.730								
.750						-.1065	-.1490	-.8768
.760			-.1543					
.775				-.1179	-.1273			
.798		-.1432						
.808			-.1938					
.834	-.2314							
.839		-.2246						
.850				-.3005	-.3281	-.3774		
.857			-.3232					
.862								-.4763
.865	-.2528							
.879		-.3034						
.900	-.2776			-.4214			-.4469	
.905			-.4093					
.919		-.3425						
.950				-.4935	-.4646	-.4916		
.953			-.3919					
.955		-.3182						
.965	-.2970							
1.000			-.1747		-.2664		-.4465	

ALPHA0(5) = 2.179 BETA0 (1) = -6.160

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.000	-.0845	-.0763	.5322	.7360	.7161	.7029	.6359	.0045
.010	-.0630	-.0553	.5366	.3481	.3279	.4237	.4404	
.020	.0209	.0210	.4808	.2390	.3070	.3272	.3140	.1020
.040		.1524	.3324					
.050	-.0403			.2333	.2592	.2867	.2698	
.069								.0754
.080				.2426				
.081			.2582					
.086		.2975						

TABLE - PRESSURE SOURCE DATA TABULATION

ARC11-019 IAG: LVAP(ELHL SEALED) LEFT WING BOT.

(RETL 16)

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

X/CH

.094	- .1578					
.150			.2929	.3130	.3032	.2249
.157						.0518
.163		.3123				
.177			.2814			
.229	- .1169					
.246		.2605				
.250			.3504	.3202	.2772	.1881
.274			.3392			
.345						- .0181
.362	.0000					
.390		.3670				
.400			.3685	.3081		.1432
.402			.4083			
.418						- .5503
.497	.3361					
.503						- .0882
.550			.2574	.1593		
.565		.3361				
.600						- .0626
.637		.3613				
.650					- .0626	
.670						- .0511
.700	.4621			- .1379		
.725			- .1550			
.730						- .9608
.750					- .0542	.0416
.760			- .2856			
.775			- .0556	- .0179		
.798		- .3554				
.808			- .2175			
.834	- .1690					
.839		- .1646				
.850			- .3161	- .2673	- .2234	
.857			- .3717			
.862						- .3303
.865	- .2062					
.879		- .3668				
.900	- .3891		- .5019			- .2981
.905			- .5245			
.919		- .5384				
.950			- .5645	- .4318	- .4156	
.953			- .4023			
.955		- .2809				
.965	- .2867					

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL16) **

ALPHA(5) = 2.179 BETA(1) = -6.160

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

1.000 -.1420 -.1979 -.4425

ALPHA(5) = 2.183 BETA(2) = -2.076

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000 -.1751 -.1283 .4542 .6654 .6422 .6289 .5736 -.0573

.010 -.0899 -.0463 .4742 .2789 .2115 .2964 .3382

.020 -.0736 .0162 .4320 .1692 .1987 .2221 .2246 .0287

.040 .0587 .2988

.050 -.1047 .1618 .1666 .1960 .1976

.069 .0159

.080 .1688

.081 .2094

.086 .2372

.094 -.1061

.150 .2140 .2426 .2429 .1675

.157 -.0063

.163 .2729

.177 .2108

.229 -.0249

.246 .2051

.250 .2749 .2663 .2317 .1381

.274 .2645

.346 -.0720

.362 .0000

.390 .2879

.400 .3047 .2677 .1041

.402 .3284

.418 -.6046

.497 .2574

.503 -.1378

.550 .2107 .1232

.565 .2556

.600 -.1000

.637 .2771

.650 -.0912

.670 -.1017

.700 .3420

.725 -.1951

.730 -.1721

.750 .0295 .0017 -.9905

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA0 (5) = 2.183 BETA0 (2) = -2.076

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.3233						
.775				-.1085	-.0584				
.798		-.3142							
.808			-.2260						
.834	-.1595								
.839		-.1894							
.850				-.3502	-.3146	-.2642			
.857			-.3788						
.862								-.3743	
.865	-.1971								
.879		-.3869							
.900	-.3895			-.5275			-.3443		
.905			-.5481						
.919		-.5303							
.950				-.5528	-.5042	-.4604			
.953			-.4145						
.955		-.2870							
.965	-.3392								
1.000			-.1669		-.2403		-.3904		

ALPHA0 (5) = 2.194 BETA0 (3) = 2.052

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2822	-.1714	.3544	.5776	.5573	.5511	.5103	-.1188	
.010	-.2278	-.1353	.4025	.2673	.1601	.2154	.2668		
.020	-.2001	-.0056	.3834	.1730	.1462	.1533	.1563	-.0314	
.040		.0443	.2819						
.050	-.2262			.1479	.1123	.1298	.1448		
.069								-.0391	
.080				.1372					
.081			.2014						
.086		.2016							
.094	-.1482								
.150				.1620	.1723	.1823	.1184		
.157								-.0594	
.163		.2428							
.177			.1796						
.229	.0320								
.246		.1806							
.250				.1868	.1895	.1789	.0868		
.274			.1885						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(5) = 2.194 BETA(3) = 2.052

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.1235	
.362	.0000								
.390		.2103							
.400				.1975	.1986		.0608		
.402			.2039						
.418									-.6640
.497	.1929								
.503								-.1843	
.550				.1026	.0563				
.565			.1023						
.600							-.1461		
.637		.0892							
.650						-.1392			
.670								-.1509	
.700	.1213				-.2391				
.725				-.2843					
.730									-.9475
.750						-.0327	-.0536		
.760			-.3666						
.775				-.2199	-.1435				
.798		-.2118							
.808			-.2337						
.834	-.2344								
.839		-.2415							
.850				-.3954	-.3899	-.3320			
.857			-.3816						
.862								-.4268	
.865	-.2479								
.879		-.3667							
.90	-.3246			-.5371			-.3983		
.905			-.4671						
.919		-.3677							
.950				-.5221	-.5500	-.5271			
.953			-.3737						
.955		-.3194							
.985	-.3063								
1.000			-.1495		-.2197		-.4239		

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1AB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1053

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA0 (5) = 2.199 BETA0 (4) = 6.158

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.4775	-.0607	.2384	.5226	.5000	.4750	.4358	-.1889	
.010	-.4397	-.0703	.2934	.2447	.1306	.1818	.2255		
.020	-.3657	-.0012	.3006	.1653	.1202	.1292	.1283	-.1076	
.040		.0301	.2485						
.050	-.3085			.1469	.0945	.1041	.1181		
.069								-.1042	
.080				.1449					
.081			.1953						
.086		.1462							
.094	-.2045								
.150				.1633	.1486	.1445	.0814		
.157								-.1231	
.163		.1981							
.177			.1831						
.229	.0460								
.246		.1793							
.250				.1690	.1442	.1343	.0382		
.274			.1831						
.345								-.1812	
.362	.0000								
.390		.2050							
.408				.1359	.1279		.0045		
.402			.1708						
.418								-.7236	
.497	.1943								
.503								-.2369	
.550				.0036	-.0310				
.565			.0281						
.600							-.1991		
.637		.0160							
.650						-.1978			
.670								-.2082	
.700	.0145			-.3001					
.725			-.2404						
.730								-.9610	
.750						-.1053	-.1204		
.760			-.1361						
.775				-.0998	-.0960				
.798		-.1305							
.808			-.1783						
.834	-.2272								
.939		-.2179							
.850			-.2975	-.3155	-.3571				
.857			-.3064						
.862								-.4718	

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(5) = 2.199 BETA(4) = 6.158

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2462								
.879		-.3040							
.900	-.2705			-.4155				-.4427	
.905			-.3970						
.919		-.3462							
.950				-.4700	-.4345	-.4456			
.953			-.3711						
.955		-.3195							
.965	-.2929								
1.000			-.1465		-.1972			-.4363	

ALPHA(6) = 4.248 BETA(1) = -6.141

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0524	-.1306	.4949	.6872	.6973	.6755	.5821	-.1059	
.010	.0578	.0224	.5636	.4974	.4917	.5787	.5673		
.020	.0716	.1274	.5354	.3789	.4430	.4691	.4511	.0511	
.040		.1788	.4044						
.050	-.0113			.3338	.3652	.3877	.3725		
.069								.0723	
.080				.3164					
.081			.3125						
.086		.3219							
.094	.0337								
.150				.3388	.3601	.3529	.2769		
.157								.0518	
.163		.3511							
.177			.3152						
.229	.0039								
.246		.2919							
.250				.3612	.3439	.3083	.2248		
.274			.3533						
.345								-.0112	
.362	.0000								
.390		.3730							
.400				.3659	.3197		.1629		
.402			.4027						
.418									-.6909
.497	.3431								
.503								-.0773	
.550				.2488	.1645				

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(6) = 4.246 BETA(1) = -6.141

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.3135						
.600							-.0486		
.637		.3471							
.650						-.0539			
.670								-.0489	
.700	.4531				-.1353				
.725				-.1526					
.730								-.7306	
.750						-.0380	.0571		
.760			-.3373						
.775				-.0503	-.0177				
.798		-.3591							
.808			-.2178						
.834	-.1506								
.839		-.1644							
.850				-.3218	-.2666	-.2176			
.857			-.3829						
.862								-.3224	
.865	-.1909								
.879		-.3564							
.900	-.3765			-.4946			-.2884		
.905			-.5115						
.919		-.5214							
.950				-.5511	-.4074	-.4080			
.953			-.3345						
.955		-.2452							
.965	-.2597								
1.000			-.1266		-.1879		-.6676		

ALPHA(6) = 4.252 BETA(2) = -4.091

SECTION : 1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0829	-.1690	.4519	.6768	.6637	.6420	.5475	-.1557	
.010	-.0059	-.0380	.5337	.4601	.4482	.5257	.5229		
.020	.0142	.0624	.5101	.3463	.4015	.4268	.4084	.0021	
.040		.1102	.3833						
.050	-.0530			.2998	.3257	.3530	.3378		
.069								.0297	
.080				.2850					
.081			.2889						
.086		.2845							

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(6) = 4.252 BETA(2) = -4.091

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

1.000

-.1362

-.1540

-.6868

ALPHA(6) = 4.259 BETA(3) = -.003

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2890 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000

-.2114

-.2415

.3599

.5989

.5931

.5811

.4957

-.2209

.010

-.1579

-.1754

.4441

.4033

.3462

.4459

.4537

.020

-.1287

-.0282

.4373

.2955

.3062

.3546

.3492

-.0633

.040

.0292

.3383

.050

-.1406

.2470

.2458

.2854

.2866

.069

-.0299

.080

.2252

.081

.2417

.086

.2300

.094

-.0961

.150

.2366

.2638

.2726

.2040

.157

-.0393

.163

.2892

.177

.2226

.229

.0321

.246

.2189

.250

.2420

.2580

.2591

.2425

.1538

.274

-.0954

.345

.0000

.362

.2601

.390

.2654

.2545

.1022

.400

.2745

.402

-.8071

.418

.2346

.497

-.1527

.503

.550

.1690

.1083

.565

.1819

.600

-.1098

.637

.1879

.650

-.1059

.670

-.1230

.700

.2387

-.1918

.725

-.2252

-.8348

.730

-.1194

-.0136

.750

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(6) = 4.259 BETA(3) = -.003

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.3641						
.775				-.1519	-.0753				
.798		-.2712							
.808			-.2344						
.834	-.1741								
.839		-.1994							
.850				-.3825	-.3356	-.2806			
.857			-.3842						
.862								-.3982	
.865	-.2148								
.879		-.3849							
.900	-.3603			-.5500			-.3580		
.905			-.5473						
.919		-.4395							
.950				-.3811	-.5350	-.4854			
.953			-.3088						
.955		-.2699							
.965	-.3034								
1.000			-.1304		-.1674		-.5356		

ALPHA(6) = 4.261 BETA(4) = 4.109

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3862	-.2195	.2684	.5157	.5339	.5116	.4393	-.2978	
.010	-.3295	-.1920	.3447	.3558	.3149	.3774	.3927		
.020	-.2680	-.0356	.3542	.2636	.2750	.2903	.2912	-.1381	
.040		.0203	.2591						
.050	-.2239			.2188	.2074	.2277	.2338		
.069								-.0990	
.080				.1987					
.081			.2048						
.086		.1876							
.094	-.1491								
.150				.2038	.2124	.2200	.1539		
.157								-.1000	
.163		.2421							
.177			.1976						
.229	.0498								
.246		.1971							
.250				.2044	.1976	.1900	.0977		
.274			.2034						

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA0(6) = 4.261 BETA0 (4) = 4.109

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345									
.362	.0000								
.390		.2297							
.400				.1750	.1741		.0512		
.402			.1842						
.418									
.497	.2118								
.503									
.550				.0524	.0187				
.565			.0464						
.600									
.637		.0584							
.650									
.670									
.700	.0746								
.725									
.730									
.750									
.760									
.775									
.798									
.808									
.834									
.839									
.850									
.857									
.862									
.865									
.879									
.900									
.905									
.919									
.950									
.953									
.955									
.965									
1.000									

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ARC11-019 IAB: LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(6) = 4.259 BETA(5) = 6.170

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2196								
.879		-.2653							
.900	-.2407			-.3977				-.4224	
.905			-.4003						
.919		-.3105							
.950				-.4161	-.4167	-.4190			
.953			-.3548						
.955		-.2751							
.965	-.2653								
1.000			-.1434		-.1247		-.4639		

ALPHA(7) = 6.364 BETA(1) = -4.074

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0402	-.2094	.3935	.6382	.6618	.6358	.5154	-.2580	
.010	.0140	-.1122	.5292	.5830	.5791	.6525	.6273		
.020	.0278	.0313	.5366	.4556	.5183	.5449	.5265	-.0310	
.040		.0932	.4314						
.050	-.0344			.3808	.4185	.4480	.4325		
.069								.0275	
.080				.3488					
.081			.3353						
.086		.2952							
.094	.0521								
.150				.3421	.3783	.3813	.3095		
.157								.0335	
.163		.3513							
.177			.3115						
.229	.0970								
.246		.2853							
.250				.3485	.3472	.3270	.2413		
.274			.3176						
.345								-.0263	
.362	.0000								
.390		.3441							
.400				.3391	.3160		.1680		
.402			.3611						
.418								-.7920	
.497	.3112								
.503								-.0869	
.550				.2224	.1573				

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA0(7) = 6.364 BETA0 (1) = -4.074

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.565				.2694						
.600								-.0475		
.637			.2890							
.650						-.0537				
.670									-.0566	
.700	.3878				-.1444					
.725				-.1673						
.730										-.7368
.750						-.0409	.0497			
.760				-.3028						
.775				-.0749	-.0325					
.798			-.3578							
.808			-.2475							
.834	-.1607									
.839			-.1596							
.850				-.3291	-.2691	-.2148				
.857				-.3619						
.862									-.3290	
.865	-.1979									
.879			-.3518							
.900	-.3678				-.4951			-.2943		
.905				-.5273						
.919			-.4855							
.950				-.5710	-.4218	-.4062				
.953				-.3147						
.955			-.2268							
.965	-.2840									
1.000				-.1126		-.1792		-.7053		

ALPHA0(7) = 6.367 BETA0 (2) = -2.043

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1306	-.3369	.3498	.6142	.6163	.5850	.4696		-.3222	
.010	-.0657	-.2313	.4904	.5278	.5257	.6004	.5890			
.020	-.0450	-.0481	.5104	.4219	.4713	.4962	.4925		-.0829	
.040		.0185	.4130							
.050	-.0905			.3431	.3736	.4095	.4018			
.069									-.0179	
.080				.3086						
.081			.3108							
.086		.2652								

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(7) = 6.367 BETA(2) = -2.043

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.094	-.0043								
.150				.3056	.3422	.3543	.2851		
.157								-.0048	
.163		.3352							
.177			.2806						
.229	.0618								
.246		.2603							
.250				.3160	.3158	.3033	.2153		
.274			.2966						
.345								-.0600	
.362	.0000								
.390		.3094							
.400				.3050	.2879		.1466		
.402			.3281						
.418									-.7962
.497	.2731								
.503									-.1166
.550				.1950	.1349				
.565			.2314						
.600								-.0711	
.637		.2516							
.650						-.0738			
.670								-.0863	
.700	.3287				-.1678				
.725				-.1932					
.730									-.7458
.750						-.0728	.0266		
.760			-.3313						
.775				-.1066	-.0536				
.798		-.3484							
.808			-.2369						
.834	-.1742								
.839		-.1778							
.850				-.3516	-.2967	-.2400			
.857			-.3520						
.862								-.3564	
.865	-.2092								
.879		-.3504							
.900	-.3604			-.5283			-.3195		
.905			-.4922						
.919		-.4049							
.950				-.4374	-.4538	-.4330			
.953			-.2753						
.955		-.2501							
.965	-.3006								

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL 16)

ALPHA0(7) = 6.367 BETA0 (2) = -2.043

SECTION (1) LEFT WING BOTTOM					DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			-.1249		-.1370		-.7101		

ALPHA0(7) = 6.367 BETA0 (3) = .008

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.2326	-.4112	.2906	.5822	.5728	.5463	.4369	-.3651	
.010	-.1577	-.3221	.4017	.4945	.4777	.5584	.5515		
.020	-.1157	-.0892	.4664	.3867	.4245	.4632	.4595	-.1276	
.040		-.0173	.3832						
.050	-.0984			.3171	.3386	.3751	.3784		
.069								-.0593	
.080				.2736					
.081			.2852						
.086		.2379							
.094	-.0622								
.150				.2683	.3112	.3268	.2589		
.157								-.0374	
.163		.3128							
.177			.2489						
.229	.0502								
.246		.2425							
.250				.2729	.2858	.2761	.1907		
.274			.2280						
.345								-.0894	
.362	.0000								
.390		.2734							
.400				.2592	.2564		.1224		
.402			.2691						
.418									-.8409
.497	.2490								
.503								-.1431	
.550				.1474	.1069				
.565			.1585						
.600							-.0951		
.637		.1724							
.650						-.0946			
.670								-.1154	
.700	.2338				-.1944				
.725				-.2304					
.730									-.7951
.750						-.1006	.0011		

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA0 (7) = 6.367 BETA0 (3) = .008

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.760			-.3834					
.775				-.1551	-.0845			
.798		-.2511						
.808			-.2101					
.834	-.1709							
.839		-.1716						
.850				-.3622	-.3245	-.2652		
.857			-.3505					
.862							-.3817	
.865	-.2122							
.879		-.3114						
.900	-.3162			-.5027			-.3458	
.905			-.4046					
.919		-.3178						
.950				-.3081	-.4690	-.4689		
.953			-.3742					
.955		-.3209						
.965	-.3142							
1.000			-.1416	-.1073		-.7266		

ALPHA0 (7) = 6.364 BETA0 (4) = 2.073

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.3214	-.3895	.2427	.5274	.5452	.5216	.4133	-.3945
.010	-.2475	-.3320	.3769	.4699	.4397	.5196	.5197	
.020	-.1889	-.0823	.4085	.3635	.3889	.4245	.4264	-.1570
.040		-.0115	.3435					
.050	-.1202			.2858	.3083	.3387	.3464	
.069								-.0881
.080				.2534				
.081			.2655					
.086		.2094						
.094	-.0941							
.150				.2447	.2779	.2935	.2313	
.157								-.0668
.163		.2660						
.177			.2342					
.229	.0541							
.246		.2302						
.250				.2383	.2477	.2452	.1639	
.274			.2271					

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{RETL16}

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

X/CW

.345						- .1155
.362	.0000					
.390	.2478					
.400		.2065	.2171		.0971	
.402		.2216				
.418						
.497	.2309					-.8475
.503						
.550		.0840	.0621			-.1675
.565		.0753				
.600					-.1178	
.637	.0915					
.650				-.1203		
.670						-.1408
.700	.1341		-.2270			
.725		-.2790				
.730						
.750				+.1297	-.0277	-.8026
.760		-.3122				
.775		-.1760	-.1191			
.798	-.1350					
.808		-.1388				
.834	-.1984					
.839	-.1633					
.850		-.2207	-.3281	-.2863		
.857		-.2328				
.862						+.4026
.865	-.2198					
.879	-.2599					
.900	-.2722		-.3286		-.3659	
.905		+.4045				
.919	-.3330					
.950			-.4111	-.2719	-.4912	
.953		-.4416				
.955	-.3229					
.965	-.2732					
1.000		-.0996	-.1325		-.6999	

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ARC11-019 1A8: LVAP(ELHL SEALED) LEFT WING BOT.

(RETL 18)

ALPHA0(7) = 6.359 BETA0 (5) = 4.124

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.4057	-.2668	.1941	.4563	.5093	.4842	.3796	-.4412
.010	-.3369	-.2424	.2927	.4354	.4291	.4912	.4870	
.020	-.2604	-.0569	.3275	.3460	.3793	.3991	.3955	-.2032
.040		.0032	.2779					
.050	-.1668			.2780	.2925	.3177	.3195	
.069				.2492				-.1294
.080								
.081			.2346					
.086		.1718						
.094	-.1285							
.150				.2335	.2563	.2658	.2064	
.157								-.0977
.163		.2401						
.177			.2166					
.229	.0539							
.246		.2130						
.250				.2198	.2225	.2181	.1338	
.274			.1850					
.345								-.1432
.362	.0000							
.390		.2362						
.400				.1782	.1788		.0710	
.402			.1936					
.418								
.497	.2187							-.1938
.503								
.550				.0443	.0199			
.565			.0469					
.600							-.1446	
.637		.0607						
.650						-.1491		
.670								-.1645
.700	.0810				-.2574			
.725				-.2587				
.730								
.750						-.1430	-.0538	
.760			-.1154					
.775				-.0334	-.0646			
.798		-.0751						
.808			-.1412					
.834	-.1923							
.839		-.1688						
.850				-.2351	-.2198	-.3038		
.857			-.2727					
.862								-.4238

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL16)

ALPHA(7) = 6.359 BETA(5) = 4.124

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.2136								
.879		-.2595							
.900	-.2363			-.3694			-.3862		
.905			-.4145						
.919		-.3174							
.950				-.4432	-.3764	-.4102			
.953			-.3972						
.955		-.2760							
.965	-.2548								
1.000			-.1164		-.1337		-.6193		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .900 RN/FT = 2.250
 ELV-18 = 10.000 ELV-09 = 4.000
 RUDDER = .000 SPOBRK = .000

ALPHA(1) = -6.178 BETA(1) = -4.055

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0308	.0911	.3223	.4326	.3254	.2677	.2758	-.4957	
.010	.0041	.0548	.0216	-.7750	-.8322	-.8119	-.7381		
.020	-.0022	.0595	-.0672	-.6910	-.8124	-.7169	-.6878	-.4469	
.040		.0731	-.1740						
.050	-.0090			-.3471	-.7750	-.6867	-.6272		
.069								-.4435	
.080				-.2650					
.081			-.1541						
.086		.1076							
.094	-.0015								
.150				-.0996	-.1759	-.4852	-.5046		
.157								-.4112	
.163		.0409							
.177			-.0565						
.229	.0713								
.246		-.0246							
.250				.0002	-.0667	-.1755	-.3720		
.274			.0350						
.345								-.4172	
.362	.0000								
.390		.0899							
.400				.0729	-.0243		-.2719		
.402			.1227						
.418								-.3406	
.497	.0763								
.503								.0000	
.550				-.0362	-.1705				
.565		.0434							
.600							-.3838		
.637		.0774							
.650					-.4211				
.670								-.3499	
.700	.1633				-.4413				
.725			-.3966						
.730								-.3931	
.750						-.3086	-.3560		
.760			-.1471						
.775				-.0996	-.1595				

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(1) = -6.178 BETA0 (1) = -4.055

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.798		-.0871						
.808			-.0920					
.834	-.2487							
.839		-.1705						
.850				-.2835	-.3208	-.3983		
.857			-.2778					
.862								-.1677
.865	.0000							
.879		-.3031						
.900	-.3073			-.4551			-.1489	
.905			-.4407					
.919		-.3949						
.950				-.2269	-.2159	-.0588		
.953			-.2556					
.955		-.2736						
.965	-.2246							
1.000			-.0266	-.0073			.0631	

ALPHA0(1) = -5.167 BETA0 (2) = -2.018

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.000	.0229	.0754	.2758	.3800	.2577	.1953	.2070	-.4795
.010	.0079	.0464	-.0042	-.8432	-.8709	-.7920	-.7186	
.020	.0002	.0546	-.0839	-.7313	-.8517	-.7194	-.6883	-.4461
.040		.0710	-.1866					
.050	-.0091			-.3980	-.8494	-.6966	-.6312	
.069								-.4514
.080				-.3050				
.081			-.1705					
.086		.0948						
.094	-.0052							
.150				-.1405	-.2024	-.5851	-.5519	
.157								-.4304
.163		.0242						
.177			-.0897					
.229	.0633							
.246		-.0583						
.250				-.0306	-.0884	-.2790	-.4649	
.274			-.0035					
.345								-.4507
.362	.0000							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELML SEALED) LEFT WING BOT.

(RETL17)

ALPHA(1) = -6.167 BETA(2) = -2.018

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.0440							
.400				.0371	-.0525		-.3558		
.402			.0796						
.418									-.3681
.497	.0387								
.503								.0000	
.550				-.0665	-.1960				
.565			.0088						
.600							-.4071		
.637		.0264							
.650						-.4497			
.670								-.3673	
.700	.0979				-.4476				
.725				-.3435					
.730									-.3926
.750						-.3239	-.3803		
.760			-.1357						
.775				-.0971	-.1732				
.798		-.1104							
.808			-.1088						
.834	-.2361								
.839		-.2019							
.850				-.3055	-.3388	-.3745			
.857			-.2864						
.862								-.1710	
.865	.0000								
.879		-.3042							
.900	-.2777			-.4619			-.1583		
.905			-.4028						
.919		-.3736							
.950				-.2245	-.2230	-.0684			
.953			-.2491						
.955		-.2843							
.965	-.2682								
1.000			-.0669		-.0320		.0549		

(RETL17)

ALPHA0(1) = -6.142 BETA0 (3) = .046

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	.0171	.0742	.2596	.3279	.2001	.1296	.1366	-.4412
.010	.0090	.0614	.0063	-.8520	-.9168	-.8098	-.7126	
.020	.0051	.0692	-.0733	-.7469	-.9015	-.7526	-.6863	-.4393
.040		.0812	-.1714					
.050	-.0014			-.4054	-.9026	-.7317	-.6516	
.069								-.4473
.080				-.3298				
.081			-.1687					
.086		.0995						
.094	.0001							
.150				-.1865	-.2164	-.6730	-.6234	
.157								-.4404
.163		.0350						
.177			-.1106					
.229	.0607							
.246		-.0519						
.250				-.0957	-.1239	-.3221	-.5825	
.274			-.0548					
.345								-.4469
.362	.0000							
.390		.0086						
.400				-.0193	-.0799		-.4305	
.402			.0094					
.418								
.497	.0105							
.503								.0000
.550				-.1108	-.2216			
.565			-.0610					
.600							-.4062	
.637		-.0481						
.650						-.4716		
.670								-.3890
.700	.0001				-.4704			
.725				-.3574				
.730								
.750						-.3729	-.3696	
.760			-.1910					
.775				-.1392	-.1916			
.798		-.1293						
.808			-.1525					
.834	-.2651							
.839		-.2006						
.850				-.3257	-.3666	-.4091		
.857			-.3152					
.862								-.1911

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(1) = -6.142 BETA(3) = .046

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.865	.0000							
.879		-.3048						
.900	-.3003			-.4873			-.1605	
.905			-.4468					
.919		-.3789						
.950				-.3031	-.2882	-.0815		
.953			-.3187					
.955		-.3010						
.965	-.2864							
1.000		-.1160		-.0712		.0589		

ALPHA(1) = -6.130 BETA(4) = 2.104

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y 1 .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

.0009	.0793	.2486	.3036	.1483	.0687	.0796	-.4355	
.010	.0003	.0793	.0349	-.7982	-.9208	-.8242	-.7151	
.020	.0048	.0882	-.0358	-.7038	-.9093	-.7801	-.6942	-.4401
.040		.0971	-.1283					
.050	.0044			-.3803	-.9036	-.7566	-.6793	
.069								-.4507
.080				-.3188				
.081			-.1437					
.086		.1053						
.094	.0086							
.150				-.1897	-.2253	-.7144	-.6809	
.157								-.4507
.163		.0472						
.177			-.0957					
.229	.0538							
.246		-.0341						
.250			-.1203	-.1540	-.2742	-.6311		
.274			-.0615					
.345								-.4679
.362	.0000							
.390		-.0082						
.400			-.0603	-.1028		-.4652		
.402			-.0335					
.418								-.4125
.497	.0033							
.503								.0000
.550			-.1459	-.2391				

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(1) = -6.130 BETA0(4) = 2.104

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.1206						
.600							-.3990		
.637		-.1223							
.650						-.4848			
.670								-.4020	
.700	-.0879				-.4363				
.725				-.2716					
.730									-.4543
.750						-.3682	-.3548		
.760			-.1774						
.775				-.1301	-.1798				
.798		-.1471							
.808			-.1809						
.834	-.2671								
.839		-.2361							
.850				-.3452	-.3910	-.4433			
.857			-.3260						
.862								-.2240	
.865	.0000								
.879		-.3000							
.900	-.2870			-.4887			-.1797		
.905			-.4074						
.919		-.3270							
.950				-.3376	-.3264	-.0937			
.953			-.3064						
.955		-.2829							
.965	-.2671								
1.000			-.1483		-.1039		.0574		

ALPHA0(1) = -6.123 BETA0(5) = 4.151

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0524	.0718	.2381	.2800	.1192	.0442	.0348	-.4448	
.010	-.0327	.0766	.0430	-.7481	-.8816	-.8121	-.7277		
.020	-.0193	.0836	-.0209	-.6633	-.8740	-.7658	-.7110	-.4513	
.040		.0894	-.1055						
.050	-.0010			-.3572	-.8530	-.7428	-.6977		
.069								-.4616	
.080				-.2924					
.081			-.1101						
.086		.0983							

IAB1A - PRESSURE SOURCE DATA TABULATION

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHAO(1) = -6.123 BETA0 (5) = 4.151

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.094	.0115					
.150			-.1706	-.2197	-.6844	-.7041
.157						-.4661
.163		.0464				
.177			-.0726			
.229	.0516					
.246		-.0242				
.250			-.1084	-.1668	-.2208	-.6329
.274			-.0443			
.345						-.4904
.362	.0000					
.390		.0028				
.400			-.0794	-.1215		-.4050
.402			-.0290			
.418						-.4179
.497	.0119					
.503						.0000
.550			-.1755	-.2420		
.565		-.1408				
.600					-.4191	
.637		-.1346				
.650					-.4836	
.670						-.3902
.700	-.1079			-.3376		
.725			-.2520			
.730						-.4713
.750					-.3313	-.3357
.760		-.1903				
.775			-.1476	-.1802		
.798		-.1821				
.808		-.2221				
.834	-.2626					
.839		-.2595				
.850			-.3695	-.4302	-.5018	
.857		-.3375				
.862						-.2523
.865	.0000					
.879		-.3020				
.900	-.2832		-.4540		-.1897	
.905		-.3716				
.919		-.3157				
.950			-.3139	-.3241	-.1080	
.953		-.2965				
.955		-.2728				
.965	-.2828					

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(1) = -6.123 BETA0 (5) = 4.151

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW			
1.000	-.1769	-.1501	.0601

ALPHA0(2) = -4.089 BETA0 (1) = -6.119

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW								
.000	.0464	.1444	.4089	.5484	.4724	.4342	.4339	-.2998
.010	.0338	.1363	.1932	-.4586	-.6477	-.7424	-.6469	
.020	.0200	.1262	.0929	-.4240	-.5439	-.5992	-.7015	-.3401
.040		.1351	-.0437					
.050	.0070			-.2425	-.3928	-.4770	-.6567	
.069								-.3594
.080				-.1462				
.081			-.0529					
.086		.1622						
.094	.0108							
.150				-.0092	-.0534	-.1204	-.2103	
.157								-.3044
.163		.1003						
.177			.0191					
.229	.0920							
.246		.0375						
.250				.0639	-.0051	-.0782	-.1742	
.274			.0926					
.345								-.3002
.362	.0000							
.390		.1432						
.400				.1049	.0123		-.1720	
.402			.1638					
.418								-.3111
.497	.1257							
.503								.0000
.550				-.0242	-.1430			
.565			.0642					
.600							-.4015	
.637		.1069						
.650						-.4051		
.670								-.3575
.700	.2139				-.4227			
.725				-.3336				
.730								-.4029
.750						-.2938	-.3165	

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(2) = -4.089 BETA0 (1) = -6.119

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.1061						
.775				-.0585	-.1091				
.798		-.0497							
.808			-.0548						
.834	-.2313								
.839		-.1334							
.850				-.2581	-.2787	-.3026			
.857			-.2752						
.862								-.1430	
.865	.0000								
.879		-.3024							
.900	-.3301			-.4347			-.1352		
.905			-.4624						
.919		-.4021							
.950				-.1478	-.1490	-.0330			
.953			-.1834						
.955		-.2213							
.965	-.2694								
1.000			.0110		.0361		.0868		

ALPHA0(2) = -4.079 BETA0 (2) = -4.073

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	.0354	.1234	.3711	.4999	.4204	.3731	.3721	-.3478	
.010	.0251	.1118	.1585	-.5156	-.6992	-.8023	-.7279		
.020	.0166	.1110	.0593	-.4730	-.6211	-.6645	-.7172	-.3972	
.040		.1211	-.0649						
.050	.0070			-.2772	-.4493	-.5026	-.7161		
.069								-.3801	
.080				-.1769					
.081			-.0829						
.086		.1447							
.094	.0093								
.150				-.0442	-.0825	-.1543	-.2620		
.157								-.3204	
.163		.0824							
.177			-.0101						
.229	.0829								
.246		.0142							
.250				.0362	-.0269	-.1026	-.1897		
.274			.0643						

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OF POOR QUALITY

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(2) = -4.079 BETA(2) = -4.073

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345									
.362	.0000								
.390		.1186							
.400				.0811	-.0070				
.402			.1390						
.418									
.497	.1073								
.503								.0000	
.550				-.0423	-.1621				
.565			.0459						
.600									
.637		.0783							
.650						-.4285			
.670									
.700	.1775				-.4354				
.725				-.2576					
.730									
.750									
.760			-.1147						
.775				-.0668	-.1187				
.798		-.0572							
.808			-.0729						
.834	-.2237								
.839		-.1529							
.850				-.2783	-.3127	-.3338			
.857			-.2833						
.862									
.865	.0000								
.879		-.3075							
.900	-.3072			-.4543					
.905			-.4599						
.919		-.4009							
.950				-.2006	-.1935	-.0547			
.953			-.2430						
.955		-.2779							
.965	-.2751								
1.000			-.0338		.0032		.0763		

TABLE - PRESSURE SOURCE DATA TABULATION

C

(RETL17)

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

X/CW

.000	.0075	.0954	.3133	.4067	.3001	.2510	.2487	-.4299
.010	.0165	.0995	.1339	-.5685	-.7684	-.8549	-.8382	
.020	.0078	.1014	.0511	-.5221	-.7227	-.7259	-.7521	-.4052
.040		.1126	-.0730					
.050	.0066			-.3186	-.5481	-.6119	-.7368	
.069								-.4139
.080				-.2398				
.081			+.1051					
.086		.1285						
.094	.0089							
.150				-.1212	-.1680	-.2441	-.4290	
.157								-.3862
.163		.0673						
.177			-.0611					
.229	.0659							
.246		-.0156						
.250				-.0492	-.0887	-.1539	-.2254	
.274			-.0113					
.345								-.4056
.362	.0000							
.390		.0398						
.400				.0067	-.0521		-.2235	
.402			.0347					
.418								
.497	.0349							
.503								.0000
.550				-.0932	-.2003			
.565			-.0442					
.600							-.4504	
.637		-.0361						
.650						-.4640		
.670								-.4288
.700	.0135				-.4680			
.725				-.3692				
.730								
.750						-.3731	-.4040	
.760			-.1685					
.775				-.1103	-.1709			
.798		-.1253						
.808			-.1347					
.834	-.2522							
.839		-.1917						
.850				-.3107	-.3571	-.4423		
.857			-.3088					
.862								-.1190

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(2) = -4.065 BETA(3) = .030

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.865	.0000							
.879		-.3033						
.900	-.3061			-.4851			-.1319	
.905			-.4530					
.919		-.3788						
.950				-.3659	-.2663	-.0656		
.953			-.3483					
.955		-.3074						
.965	-.2886							
1.000			-.1317		-.0691		.0661	

ALPHA(2) = -4.044 BETA(4) = 4.123

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.0520	.0702	.2683	.3547	.2211	.1550	.1495	-.4579
.010	-.0437	.0844	.1314	-.5197	-.7183	-.8746	-.8372	
.020	-.0291	.0898	.0669	-.4583	-.6854	-.7484	-.7601	-.4291
.040		.0991	-.0353					
.050	-.0095			-.2724	-.4505	-.6639	-.7177	
.069								-.4409
.080				-.2087				
.081			-.0674					
.086		.1127						
.094	.0009							
.150				-.1166	-.1804	-.2460	-.4728	
.157								-.4203
.153		.0657						
.177			-.0438					
.229	.0460							
.246		.0048						
.250				-.0684	-.1299	-.1867	-.2659	
.274			-.0164					
.345								-.4523
.362	.0000							
.390		.0243						
.400				-.0532	-.0999		-.2617	
.402			-.0160					
.418								-.3943
.497	.0279							
.503								.0000
.550				-.1590	-.2373			

1A81A - PRESSURE SOURCE DATA TABULATION

(RETL:7)

ALPHA0(2) = -4.044 BETA0 (4) = 4.123

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

X/CW

.565		- .1299			
.600				- .4824	
.637		- .1236			
.650				- .4892	
.670					- .3920
.700	- .1030		- .2936		
.725		- .2167			
.730					- .5227
.750				- .3081	- .3432
.760		- .1743			
.775		- .1226	- .1732		
.798	- .1703				
.808		- .2036			
.834	- .2574				
.839		- .2476			
.860			- .3545	- .4311	- .5121
.857		- .3171			
.862					- .1211
.865	.0000				
.879		- .2938			
.900	- .2744		- .4193		- .1584
.905		- .3487			
.919		- .3156			
.950			- .2908	- .2605	- .0898
.953		- .2852			
.955		- .2713			
.965	- .2654				
1.000		- .1908	- .1261		.0547

ALPHA0(2) = -4.041 BETA0 (5) = 6.175

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1155	.0633	.2388	.3464	.1897	.1070	.0979	-.4482
.010	-.0996	.0733	.1378	-.4714	-.6992	-.8553	-.8265	
.020	-.0636	.0814	.0864	-.4182	-.6748	-.7446	-.7576	-.4371
.040		.0907	-.0025					
.050	-.0322			-.2466	-.4346	-.6811	-.7119	
.069								-.4520
.080				-.1848				
.081			-.0401					
.086		.1051						

IA81A - PRESSURE SOURCE DATA TABULATION

ARC11-019 IAB1 LVAP(ELHL 'SEALED) LEFT WING BOT.

ALPHA0(2) = -4.041 BETA0 (3) = 6.175

DEPENDENT VARIABLE CP

X/CW

.094 -.0108

150

.157

.163

.177

.229

.246

.250

.274

.345

.362

.390

.400
1.022

.402

.418
402

.497
F07

.503

.550
207

565
600

600
677

.637
660

.650
670

670
700

725

730

750

760

.775

798

. 798
- 808

834

034
039

.850

.857

.857
.862

.865

.879

.900

.905

.919

.950

.953

.955

.965

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(2) = -4.041 BETA0(5) = 6.175

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

1.000 -.1912 -.1510 .0629

ALPHA0(3) = -2.003 BETA0(1) = -6.127

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	.0388	.1501	.4383	.6037	.5510	.5190	.4996	-.1404
.010	.0512	.1693	.2924	-.1780	-.3065	-.3259	-.2962	
.020	.0371	.1670	.1989	-.2252	-.2428	-.3111	-.4315	-.1725
.040		.1748	.0492					
.050	.0290			-.1214	-.1703	-.2137	-.2874	
.069								-.2345
.080				-.0716				
.081			.0116					
.086		.1998						
.094	.0313							
.150				.0507	.0138	-.0361	-.1322	
.157								-.2467
.163		.1397						
.177			.0612					
.229	.1081							
.246		.0766						
.250				.0986	.0330	-.0399	-.1343	
.274			.1202					
.345								-.2927
.362	.0000							
.390		.1652						
.400				.1176	.0263		-.1658	
.402			.1799					
.418								-.4221
.497	.1505							
.503								.0000
.550				-.0241	-.1477			
.565			.0663					
.600							-.4123	
.637		.1049						
.650						-.4156		
.670								-.3474
.700	.2196			-.3221				
.725				-.2092				
.730								-.5778
.750					-.1941	-.1975		

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ARC11-919 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(3) = -2.003 BETA0 (1) = -6.127

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.760			-.0233							
.775				.0044	-.0370					
.798		-.0048								
.808			-.0365							
.834	-.1990									
.839		-.1160								
.850				-.2594	-.2725	-.3868				
.857			-.2788							
.862								-.1955		
.865	.0000									
.879		-.3021								
.900	-.3167			-.4458				-.1877		
.905			-.4671							
.919		-.3865								
.950				-.1282	-.1381	-.0530				
.953			-.1783							
.955		-.2066								
.965	-.2474									
1.000			.0076		.0477		.0712			

ALPHA0(3) = -1.993 BETA0 (2) = -2.044

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP						
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.000	.0108	.1151	.3808	.5182	.4585	.4262	.4097	-.2073		
.010	.0316	.1322	.2505	-.2851	-.4567	-.4976	-.4437			
.020	.0242	.1395	.1649	-.3054	-.3579	-.4144	-.5289	-.2302		
.040		.1519	.0180							
.050	.0196			-.1828	-.2580	-.3131	-.3957			
.069								-.2899		
.080				-.1163						
.081			-.0322							
.086		.1705								
.094	.0226									
.150				-.0114	-.0371	-.0837	-.1789			
.157								-.2884		
.163		.1147								
.177			.0080							
.229	.0867									
.246		.0365								
.250				.0475	-.0062	-.0700	-.1719			
.274			.0713							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(3) = -1.993 BETA0 (2) = -2.044

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.345								-.3348	
.362	.0000								
.390		.1156							
.400				.0807	.0004		-.1932		
.402			.1308						
.418									-.4531
.497	.1043								
.503								.0000	
.550				-.0492	-.1690				
.565			.0303						
.600							-.4361		
.637		.0586							
.650						-.4421			
.670								-.4110	
.700	.1417				-.4409				
.725				-.2632					
.730									-.8782
.750						-.3219	-.3893		
.760			-.0844						
.775				-.0454	-.1115				
.798		-.0497							
.808			-.0718						
.834	-.2128								
.839		-.1489							
.850				-.2827	-.3210	-.3980			
.857			-.2816						
.862								-.1191	
.865	.0000								
.879		-.2887							
.900	-.2811			-.4666			-.1365		
.905			-.4415						
.919		-.3708							
.950				-.2709	-.2080	-.0506			
.953			-.2735						
.955		-.2830							
.965	-.2676								
1.000			-.0802		-.0147		.0686		

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(3) = -1.979 BETA(3) = 2.069

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.0419	.0732	.3259	.4433	.3517	.3124	.3059	-.2927	
.010	-.0236	.0932	.2352	-.2861	-.5317	-.6476	-.5753		
.020	-.0117	.1091	.1675	-.2997	-.4461	-.5079	-.6100	-.3008	
.040		.1231	.0370						
.050	.0029			-.1957	-.3433	-.4428	-.5157		
.069								-.3366	
.080				-.1393					
.081			-.0200						
.086		.1464							
.094	.0132								
.150				-.0652	-.1064	-.1408	-.2360		
.157								-.3480	
.163		.1060							
.177			-.0096						
.229	.0663								
.246		.0343							
.250				-.0263	-.0690	-.1213	-.2119		
.274			.0105						
.345								-.3823	
.362	.0000								
.390		.0511							
.400				-.0081	-.0499		-.2302		
.402			.0197						
.418								-.4589	
.497	.0528								
.503								.0000	
.550				-.1227	-.2091				
.565			-.1015						
.600							-.4777		
.637		-.0960							
.650						-.4839			
.670								-.4372	
.700	-.0644				-.3755				
.725				-.2222					
.730								-.7456	
.750						-.3119	-.3953		
.760			-.1403						
.775				-.0641	-.1416				
.798		-.1288							
.808			-.1503						
.834	-.2484								
.839		-.2066							
.850				-.3322	-.3785	-.4770			
.857			-.3087						
.862								-.1285	

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(3) = -1.979 BETA0(3) = 2.069

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	.0000								
.879		-.2912							
.900	-.2749			-.4921			-.1451		
.905			-.4006						
.919		-.3186							
.950				-.3116	-.2800	-.0739			
.953			-.3052						
.955		-.2656							
.965	-.2555								
1.000			-.1710		-.0874		.0521		

ALPHA0(3) = -1.967 BETA0(4) = 6.153

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1524	.0378	.2445	.3821	.2878	.2316	.2081	-.3627	
.010	-.1277	.0460	.1524	-.2405	-.5038	-.6376	-.6160		
.020	-.0845	.0690	.1114	-.2500	-.4175	-.5049	-.6229	-.3619	
.040		.0803	.0047						
.050	-.0419			-.1589	-.2962	-.4308	-.5586		
.069								-.3883	
.080				-.1133					
.081			-.0384						
.086		.1048							
.094	-.0166								
.150				-.0537	-.1167	-.1722	-.2744		
.157								-.3707	
.163		.0846							
.177			-.0429						
.229	.0395								
.246		.0392							
.250				-.0317	-.0982	-.1599	-.2567		
.274			-.0350						
.345								-.4162	
.362	.0000								
.390		.0460							
.400				-.0511	-.1021		-.2652		
.402			-.0504						
.418								-.4713	
.497	.0479								
.503								.0000	
.550				-.1687	-.2473				

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ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(3) = -1.967 BETA0 (4) = 6.153

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.1902						
.600							-.5027		
.637		-.1340							
.650						-.4735			
.670								-.3528	
.700	-.1337				-.2682				
.725				-.2036					
.730									-.6713
.750						-.2978	-.3275		
.760			-.2275						
.775				-.1460	-.1868				
.798		-.1738							
.808			-.2693						
.834	-.2600								
.839		-.2327							
.850				-.3308	-.4084	-.4835			
.857			-.3893						
.862								-.1257	
.865	.0000								
.879		-.2694							
.900	-.2646			-.3519			-.1477		
.905			-.4278						
.919		-.2927							
.950				-.2824	-.2617	-.0871			
.953			-.4323						
.955		-.2728							
.965	-.2689								
1.000			-.2664		-.1481		.0511		

ALPHA0(4) = .077 BETA0 (1) = -6.130

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0246	.1407	.4552	.6322	.5948	.5713	.5182	-.1092	
.010	.0552	.1838	.3976	.0794	-.0004	.0424	.0540		
.020	.0525	.2039	.3174	-.0136	.0023	-.0259	-.0957	-.0977	
.040		.2216	.1633						
.050	.0537			.0180	-.0126	-.0266	-.0770		
.069								-.1717	
.080				.0444					
.081			.0549						
.086		.2483							

TABLE - PRESSURE SOURCE DATA TABULATION

(RETL17)

ALPHAO(4) = .077 BETA0 (1) = -6.130

DEPENDENT VARIABLE CP

X/CW

.094	.0548					
.150			.0930	.0769	.0351	-.0618
.157						-.2020
.163	.2019					
.177		.1185				
.229	.1337					
.246		.1299				
.250			.1446	.0864	.0146	-.0883
.274		.1645				
.345						-.2745
.362	.0000					
.390		.1983				
.400			.1408	.0553		-.1323
.402		.2063				
.418						-.6356
.497	.1842					
.503						.0000
.550			-.0110	-.1282		
.565		.0794				
.600						-.3736
.637		.1163				
.650					-.3829	
.670						-.2736
.700	.2340			-.2588		
.725			-.1142			
.730						-.7746
.750					-.1322	-.1677
.760		-.0035				
.775			.0433	-.0232		
.798	.0152					
.808		-.0073				
.834	-.1895					
.839		-.0954				
.850			-.2485	-.2671	-.4049	
.857		-.2719				
.862						-.4108
.865	.0000					
.879		-.2976				
.900	-.3297		-.4441			-.4978
.905		-.4775				
.919		-.4135				
.950			-.1822	-.2089	-.2174	
.953		-.2007				
.955		-.2125				
.965	-.2522					

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(4) = .077 BETA0 (1) = -6.130

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		.0215		.0428		-.0651		

ALPHA0(4) = .082 BETA0 (2) = -4.088

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000	.0054	.1191	.4250	.5930	.5534	.5301	.4803	-.1441
	.010	.0358	.1575	.3381	.0288	-.0590	-.0117	-.0020	
	.020	.0411	.1773	.2535	-.0543	-.0487	-.0729	-.1418	-.1315
	.040		.1955	.0433					
	.050	.0442			-.0127	-.0525	-.0615	-.1155	
	.069								-.2107
	.080			.0107					
	.081		.0347						
	.086	.2250							
	.094	.0461							
	.150			.0662	.0491	.0079	-.0934		
	.157								-.2355
	.163	.1804							
	.177		.0585						
	.229	.1178							
	.246	.1069							
	.250			.1161	.0601	-.0062	-.1148		
	.274		.0318						
	.345								-.3093
	.362	.0000							
	.390	.1758							
	.400			.1161	.0340		-.1563		
	.402		.1365						
	.418								-.6645
	.497	.1639							
	.503								.0000
	.550			-.0328	-.1461				
	.565		-.0561						
	.600						-.4030		
	.637	.0879							
	.650					-.4145			
	.670							-.3192	
	.700	.2010			-.3115				
	.725		-.1053						
	.730								-.7395
	.750				-.1833	-.2160			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(4) = .082 BETA0 (2) = -4.088

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.0778						
.775				.0243	-.0453				
.798		-.0027							
.808			-.1493						
.834	-.1916								
.839		-.1141							
.850				-.2579	-.2854	-.4183			
.857			-.3747						
.862								-.3763	
.865	.0000								
.879		-.2869							
.900	-.2965			-.4496			-.4944		
.905			-.5393						
.919		-.3820							
.950				-.2037	-.2099	-.1452			
.953			-.2613						
.955		-.2359							
.965	-.2535								
1.000			-.0598		.0313		-.0276		

ALPHA0(4) = .083 BETA0 (3) = .004

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0242	.0663	.3589	.5226	.4637	.4392	.4029	-.2148	
.010	.0041	.0973	.3148	-.0605	-.1978	-.1874	-.1576		
.020	.0204	.1329	.2495	-.1270	-.1665	-.2003	-.2838	-.1923	
.040		.1503	.1108						
.050	.0374			-.0843	-.1451	-.1640	-.2152		
.069								-.2715	
.080				-.0571					
.081			.0336						
.086		.1856							
.094	.0476								
.150				-.0001	-.0080	-.0578	-.1595		
.157								-.2917	
.163		.1488							
.177			.0405						
.229	.1111								
.246		.0656							
.250				.0396	-.0027	-.0578	-.1671		
.274			.0616						

ORIGINAL PAGE IS
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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(4) = .083 BETA(3) = .004

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.3690	
.362	.0000								
.390		.0979							
.400				.0479	-.0135		-.1972		
.402			.0870						
.418									-.6601
.497	.1118								
.503								.0000	
.550				-.0843	-.1821				
.565			-.0283						
.600							-.4646		
.637		-.0227							
.650						-.4651			
.670								-.4273	
.700	.0570				-.4412				
.725				-.2699					
.730									-.6137
.750						-.3013	-.3911		
.760			-.1109						
.775				-.0382	-.1080				
.798		-.0874							
.808			-.0832						
.834	-.2000								
.839		-.1619							
.850				-.2815	-.3224	-.4427			
.857			-.2887						
.862								-.1638	
.865	.0000								
.879		-.2894							
.900	-.2726			-.4705			-.1873		
.905			-.4543						
.919		-.3563							
.950				-.3342	-.2196	-.0677			
.953			-.3222						
.955		-.2685							
.965	-.2631								
1.000			-.1381		-.0275		.0644		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(4) = .096 BETA0(4) = 4.096

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1224	.0161	.2704	.4530	.3880	.3571	.3238	-.2860	
.010	-.0972	.0202	.2563	-.0457	-.2159	-.2320	-.2164		
.020	-.0690	.0646	.2136	-.1041	-.1816	-.2373	-.3243	-.2517	
.040		.0809	.1126						
.050	-.0264			-.0724	-.1569	-.1909	-.2487		
.069				-.0529				-.3182	
.080									
.081			-.0049						
.086		.1323							
.094	-.0072								
.150				-.0103	-.0399	-.0843	-.1959		
.157								-.3364	
.163		.1234							
.177			.0377						
.229	.0568								
.246		.0701							
.250				.0089	-.0414	-.0908	-.1962		
.274			.0346						
.345								-.4127	
.362	.0000								
.390		.0743							
.400				-.0122	-.0552		-.2335		
.402			.0269						
.418								-.7078	
.497	.0714								
.503								.0000	
.550				-.1432	-.2208				
.565			-.1206						
.600							-.4938		
.637		-.1055							
.650						-.4852			
.670								-.3968	
.700	-.0736				-.3024				
.725				-.2076					
.730								-.8207	
.750						-.2712	-.3523		
.760			-.1703						
.775				-.1112	-.1501				
.798		-.1492							
.808			-.1971						
.834	-.2404								
.839		-.2370							
.850				-.3392	-.4094	-.4965			
.857			-.3094						
.862								-.1621	

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(4) = .096 BETA(4) = 4.096

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.865	.0000							
.879		-.2830						
.900	-.2630		-.3397	-.3846			-.2160	
.905								
.919		-.3884						
.950				-.2850	-.2514	-.0908		
.953			-.2864					
.955		-.2704						
.965	-.2543							
1.000			-.2097		-.1289		.0401	

ALPHA(4) = .101 BETA(5) = 6.143

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.1829	.0011	.2041	.4316	.3556	.3182	.2819	-.3110
.010	-.1486	.0003	.2022	-.0365	-.2166	-.2640	-.2591	
.020	-.1109	.0341	.1856	-.0978	-.1875	-.2504	-.3489	-.2793
.040		.0527	.1128					
.050	-.0606			-.0550	-.1615	-.2018	-.2691	
.069								-.3408
.080				-.0372				
.081			.0558					
.086		.1091						
.094	-.0233							
.150				-.0031	-.0451	-.0924	-.2149	
.157								-.3614
.163		.1075						
.177			.0504					
.229	.0435							
.246		.0717						
.250				.0075	-.0559	-.1077	-.2120	
.274			.0447					
.345								-.4278
.362	.0000							
.390		.0731						
.400				-.0346	-.0787		-.2441	
.402			.0235					
.418								-.6919
.497	.0719							
.503								.0000
.550				-.1561	-.2241			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(4) = .101 BETA0 (5) = 6.143

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.565			-.1171					
.600							-.4875	
.637		-.1208						
.650						-.4422		
.670								-.3202
.700	-.1143				-.2488			
.725				-.1841				
.730								-.9295
.750						-.2640	-.3202	
.760			-.1593					
.775				-.1429	-.1903			
.798		-.1594						
.808			-.1997					
.834	-.2533							
.839		-.2220						
.850				-.3084	-.3588	-.4666		
.857			-.3054					
.862								-.1683
.865	.0000							
.879		-.2648						
.900	-.2556			-.3249			-.2074	
.905			-.3374					
.919		-.2842						
.950				-.2797	-.2598	-.0974		
.953			-.2958					
.955		-.2625						
.965	-.2592							
1.000			-.2831		-.1444		.0520	

ALPHA0(5) = 2.172 BETA0 (1) = -6.124

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE C _p							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.000	-.0076	.1049	.4475	.6441	.6019	.5691	.4806	-.1972
.010	.0448	.1666	.4459	.2486	.1981	.2731	.2644	
.020	.0582	.2135	.3848	.1352	.1595	.1614	.1169	-.1107
.040		.2364	.2420					
.050	.0700			.1129	.0995	.0955	.0601	
.069								-.1667
.080				.1129				
.081			.1581					
.086		.2783						

ARC11-019 1A8! LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(5) = 2.172 BETA0 (1) = -6.124

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	.0754					
.150			.1424	.1308	.0979	-.0020
.157						-.1898
.163	.2380					
.177		.1592				
.229	.1539					
.246	.1701					
.250			.1635	.1106	.0529	-.0448
.274		.1848				
.345						-.2611
.362	.0000					
.390	.2225					
.400			.1488	.0721		-.1077
.402		.2084				
.418						-.7276
.497	.2045					
.503						.0000
.550			-.0112	-.1100		
.565		.0702				
.600						-.3049
.637	.1158					
.650					-.2856	
.670						-.2303
.700	.2332			-.1502		
.725			-.0448			
.730						-.4790
.750					-.0695	-.1240
.760		.0246				
.775			.0694	.0062		
.798	.0352					
.808		-.0056				
.834	-.1705					
.839	-.0868					
.850			-.2459	-.2664	-.4053	
.857		-.2757				
.862						-.4192
.865	.0000					
.879	-.2991					
.900	-.3245		-.4407			-.5018
.905		-.4904				
.919	-.3991					
.950			-.1912	-.3213	-.5688	
.953		-.1840				
.955	-.1928					
.965	-.2324					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(5) = 2.172 BETA(1) = -6.124

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		.0192		.0281		-.3122		

X/CW

1.000

.0192

.0281

-.3122

ALPHA(5) = 2.177 BETA(2) = -2.050

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000	-.0632	.0551	.3871	.5801	.5310	.5011	.4188	-.2732

X/CW

.000

-.0632

.0551

.3871

.5801

.5310

.5011

.4188

-.2732

.010

-.0098

.1054

.3810

.1617

.0931

.1180

.1689

-.1809

.020

.0145

.1568

.3362

.0548

.0760

.0676

.0302

-.1809

.040

.0378

.1811

.1934

.0514

.0243

.0291

-.0115

-.2371

.050

.069

.080

.081

.086

.094

.150

.157

.163

.069

.080

.081

.086

.094

.150

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(5) = 2.177 BETA0 (2) = -2.050

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.760				-.0121						
.775					.0390	-.0361				
.798			-.0048							
.808				-.0320						
.834	-.1961									
.839			-.1166							
.850					-.2599	-.2964	-.4138			
.857				-.2705						
.862									-.4415	
.865	.0000									
.879			-.2872							
.900	-.2944				-.4551			-.5148		
.905				-.4604						
.919			-.3714							
.950					-.3185	-.3360	-.4844			
.953				-.2384						
.955			-.2501							
.965	-.2553									
1.000				-.0439		.0012		-.2022		

ALPHA0(5) = 2.180 BETA0 (3) = 2.054

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1383	-.0269	.3084	.5013	.4473	.4234	.3566	-.3463		
.010	-.1026	-.0010	.3342	.1146	-.0001	.0468	.0643			
.020	-.0492	.0755	.2298	.0235	-.0173	-.0290	-.0644	-.2575		
.040		.1045	.1728							
.050	-.0061			.0091	-.0470	-.0516	-.0826			
.069								-.2974		
.080				.0088						
.081			.0963							
.086		.1732								
.094	.0175									
.150				.0325	.0075	-.0139	-.1133			
.157								-.3209		
.163		.1647								
.177			.0730							
.229	.0865									
.246		.0974								
.250				.0445	.0079	-.0427	-.1528			
.274			.0677							

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(5) = 2.180 BETA(3) = 2.054

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.3915	
.362	.0000								
.390		.0971							
.400				.0238	-.0184		-.2044		
.402			.0589						
.418								-.9190	
.497	.1002								
.503								.0000	
.550				-.1166	-.2028				
.565			-.0857						
.600							-.4526		
.637		-.0844							
.650					-.4546				
.670								-.4032	
.700	-.0347				-.3287				
.725				-.1780					
.730								-.5830	
.750						-.2211	-.2917		
.760			-.1331						
.775				-.0240	-.0893				
.798		-.1196							
.808			-.1404						
.834	-.2405								
.839		-.2083							
.850				-.3135	-.3430	-.4466			
.857			-.3075						
.862								-.4610	
.865	.0000								
.879		-.2859							
.900	-.2798			-.4818			-.5197		
.905			-.4085						
.919		-.3231							
.950			-.4083	-.3736	-.2401				
.953			-.3190						
.955		-.2723							
.965	-.2629								
1.000			-.1870		-.0772		-.0701		

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ARC11-019 1A91 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(5) = 2.179 BETA(4) = 6.141

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2080	-.0489	.1694	.4571	.3651	.3513	.2827	-.4093	
.010	-.1769	-.0593	.2068	.1105	-.0042	.0191	.0125		
.020	-.1266	.0077	.2034	.0256	-.0164	-.0500	-.1029	-.3191	
.040		.0329	.1486						
.050	-.0659			.0218	-.0461	-.0716	-.1216		
.069								-.3462	
.080				.0248					
.081			.1020						
.086		.1103							
.094	-.0265								
.150				.0433	-.0065	-.0413	-.1509		
.157								-.3671	
.163		.1297							
.177			.0835						
.229	.0497								
.246		.0988							
.250				.0403	-.0153	-.0742	-.1886		
.274			.0708						
.345								-.4360	
.362	.0000								
.390		.0985							
.400				-.0069	-.0541		-.2360		
.402			.0426						
.418								-1.0289	
.497	.0914								
.503								.0000	
.550				-.1386	-.2085				
.565			-.1019						
.600							-.4299		
.637		-.1072							
.650						-.4071			
.670							-.3458		
.700	-.0972				-.2309				
.725				-.1805					
.730								-.8071	
.750						-.1940	-.2058		
.760			-.1391						
.775				-.1205	-.1740				
.798		-.1366							
.808			-.1786						
.834	-.2349								
.839		-.2155							
.850				-.2988	-.3482	-.4744			
.857			-.2999						
.862								-.3606	

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1101

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(5) = 2.179 BETA(4) = 6.141

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	.0000								
.879		-.2644							
.900	-.2449			-.3233			-.5592		
.905			-.3352						
.919		-.2899							
.950				-.2827	-.2712	-.1397			
.953			-.2857						
.955		-.2682							
.965	-.2517								
1.000			-.2097		-.1546		.0596		

ALPHA(6) = 4.252 BETA(1) = -6.110

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0415	.0517	.4209	.6355	.5891	.5425	.4182	-.3457	
.010	.0375	.1315	.4876	.3727	.3520	.4276	.4034		
.020	.0577	.2104	.4511	.2489	.2950	.3002	.2663	-.1774	
.040		.2411	.3058						
.050	.0792			.1932	.1996	.2078	.1727		
.069								-.1717	
.080				.1776					
.081			.2090						
.086		.3013							
.094	.0907								
.150				.1845	.1801	.1554	.0597		
.157								-.1827	
.163		.2710							
.177			.1956						
.229	.1673								
.246		.1947							
.250				.1890	.1453	.0943	-.0057		
.274			.2102						
.345								-.1969	
.362	.0000								
.390		.2313							
.400				.1579	.0925		-.0781		
.402			.2255						
.418									-.6017
.497	.2194								
.503								.0000	
.550				-.0110	-.0979				

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(6) = 4.252 BETA(1) = -6.110

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.585			.0715						
.600							-.1978		
.637		.1052							
.650						-.2028			
.670								-.1518	
.700	.2325				-.0904				
.725				-.0197					
.730									-.4723
.750						-.0426	-.1349		
.760			.0431						
.775				.0932	.0273				
.798		.0458							
.808			.0058						
.834	-.1554								
.839		-.0897							
.850				-.2538	-.2607	-.4064			
.857			-.2785						
.862								-.4411	
.865	.0000								
.879		-.3190							
.900	-.3386			-.4450			-.4982		
.905			-.4920						
.919		-.4115							
.950				-.3131	-.4560	-.5754			
.953			-.1962						
.955		-.1998							
.965	-.2403								
1.000			.0235		-.0578		-.4391		

ALPHA(6) = 4.257 BETA(2) = -4.071

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0694	.0365	.4000	.6110	.5592	.5162	.3901	-.3932	
.010	.0000	.1075	.4542	.3277	.3055	.3891	.3689		
.020	.0319	.1878	.4121	.2138	.2553	.2620	.2372	-.2192	
.040		.2198	.2725						
.050	.0597			.1638	.1725	.1822	.1401		
.069								-.2060	
.080				.1541					
.081			.1883						
.086		.2796							

IA81A - PRESSURE SOURCE DATA TABULATION

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(6) = 4.257 BETA0 (2) = -4.071

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	.0723					
.150			.1687	.1596	.1348	.0384
.157						-.2219
.163		.2576				
.177			.1699			
.229	.1533					
.246		.1785				
.250			.1744	.1300	.0737	-.0244
.274			.1845			
.345						-.2515
.362	.0000					
.390		.2187				
.400			.1462	.0732		-.1014
.402			.2074			
.418						-.6202
.497	.2062					
.503						.0000
.550			-.0184	-.1141		
.565		.0590				
.600					-.2427	
.637	.0941					
.650					-.2451	
.670						-.1802
.700	.2115			-.1168		
.725			-.0271			
.730						-.4915
.750					-.0466	-.1309
.760		.0265				
.775			.0808	.0070		
.798		.0370				
.808		-.0083				
.834	-.1720					
.839		-.0993				
.850			-.2598	-.2789	-.4128	
.857		-.2815				
.862						-.4620
.865	.0000					
.879		-.3037				
.900	-.3201		-.4509		-.5078	
.905		-.4850				
.919		-.3927				
.950			-.3168	-.4556	-.5790	
.953		-.2031				
.955		-.2185				
.965	-.2494					

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(6) = 4.257 BETA(2) = -4.071

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		.0050		-.0397		-.4440		

ALPHA(6) = 4.252 BETA(3) = .005

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000	-.1462	-.0391	.3305	.5452	.4925	.4496	.3366	-.4607

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1AB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(6) = 4.252 BETA(3) = .005

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.760			-.0305					
.775				.0405	-.0241			
.798		-.0373						
.808			-.0466					
.834	-.2005							
.839		-.1377						
.850				-.2696	-.3104	-.4277		
.857			-.2945					
.862								-.4866
.865	.0000							
.879		-.3051						
.900	-.3129			-.4602			-.5298	
.905			-.4858					
.919		-.3812						
.950				-.4111	-.4702	-.5903		
.953			-.3450					
.955		-.2699						
.965	-.2581							
1.000			-.0860		-.0365		-.3708	

ALPHA(6) = 4.251 BETA(4) = 4.101

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.2186	-.1066	.2301	.4743	.4215	.3788	.2618	-.5512
.010	-.1675	-.1051	.3067	.2266	.1504	.2146	.2055	
.020	-.1088	.0040	.2967	.1237	.1093	.1150	.0876	-.3780
.040		.0447	.1995					
.050	-.0424			.0846	.0468	.0460	.0176	
.069								-.3442
.080				.0706				
.081			.1216					
.086		.1499						
.094	-.0015							
.150				.0721	.0537	.0270	-.0744	
.157								-.3628
.163		.1643						
.177			.0996					
.229	.0761							
.246		.1209						
.250			.0695	.0300	-.0200	-.1303		
.274			.0949					

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT

(RETL17)

ALPHA0(6) = 4.251 BETA0 (4) = 4.101

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345									-.3928
.362	.0000								
.390		.1193							
.400				.0258	-.0167		-.1956		
.402			.0660						
.418									-.7152
.497	.1135								
.503								.0000	
.550				-.1193	-.1904				
.565			-.0875						
.600							-.3373		
.637		-.0796							
.650						-.3554			
.670								-.3017	
.700	-.0471				-.1885				
.725				-.1457					
.730									-.5686
.750						-.1210	-.1551		
.760			-.1424						
.775				-.0458	-.0819				
.798		-.1181							
.808			-.1712						
.834	-.2416								
.839		-.2090							
.850				-.3161	-.3576	-.4640			
.857			-.2939						
.862								-.5266	
.865	.0000								
.879		-.2793							
.900	-.2482			-.3935			-.5657		
.905			-.3407						
.919		-.2984							
.950				-.2896	-.3204	-.4721			
.953			-.2851						
.955		-.2544							
.965	-.2459								
1.000			-.1961		-.0990		-.2491		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(6) = 4.247 BETA(5) = 6.153

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2420	-.0965	.1349	.4559	.3893	.3513	.2388	-.5764	
.010	-.2114	-.1044	.2047	.2159	.1309	.1854	.1723		
.020	-.1502	-.0156	.2163	.1195	.0946	.0907	.0617	-.4045	
.040		.0205	.1770						
.050	-.0705			.0787	.0391	.0252	-.0024		
.069								-.3686	
.080				.0673					
.081			.1341						
.086		.1189							
.094	-.0174								
.150				.0749	.0430	.0140	-.0936		
.157								-.3835	
.163		.1480							
.177			.1110						
.229	.0654								
.246		.1204							
.250				.0613	.0135	-.0308	-.1434		
.274			.0971						
.345								-.4163	
.362	.0000								
.390		.1177							
.400				.0122	-.0302		-.1985		
.402			.0678						
.418								-.8556	
.497	.1116								
.503								.0000	
.550			-.1152	-.1841					
.565		-.0893							
.600							-.3351		
.637		-.0880							
.650						-.3478			
.670								-.2855	
.700	-.0752			-.1477	-.1883				
.725									
.730								-.6532	
.750						-.1430	-.1621		
.760			-.1198						
.775				-.0967	-.1328				
.798		-.1132							
.808			-.1536						
.834	-.2319								
.839		-.2058							
.850			-.2739	-.3243	-.4596				
.857			-.2867						
.862								-.5439	

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(6) = 4.247 BETA(5) = 6.153

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	.0000								
.879		-.2498							
.900	-.2380			-.3038				-.5711	
.905			-.3240						
.919		-.2708							
.950				-.2643	-.2646	-.1874			
.953			-.2659						
.955		-.2459							
.965	-.2400								
1.000			-.1971		-.1446			-.0501	

ALPHA(7) = 6.350 BETA(1) = -4.053

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1156	-.0314	.3719	.5837	.5327	.4723	.3154	-.5471	
.010	-.0283	.0576	.4721	.4214	.4253	.5013	.4663		
.020	.0197	.1717	.4518	.2970	.3640	.3760	.3515	-.2925	
.040		.2135	.3164						
.050	.0682			.2284	.2547	.2692	.2375		
.069								-.2183	
.080				.2016					
.081			.2202						
.086		.2956							
.094	.0853								
.150				.1975	.2075	.1897	.0973		
.157								-.1868	
.163		.2731							
.177			.1956						
.229	.1647								
.246		.1924							
.250				.1918	.1572	.1152	.0181		
.274			.2033						
.345								-.1929	
.362	.0000								
.390		.2208							
.400				.1507	.0967		-.0663		
.402			.2102						
.418									-.6254
.497	.2128								
.503								.0000	
.550				-.0170	-.0959				

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA0(7) = 6.350 BETA0 (1) = -4.053

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.0526						
.600							-.1887		
.637		.0796							
.650						-.1903			
.670								-.1378	
.700	.2040				-.0951				
.725				-.0189					
.730									-.5381
.750						-.0452	-.1408		
.760			.0334						
.775				.0803	.0121				
.798		.0337							
.808			-.0169						
.834	-.1642								
.839		-.1094							
.850				-.2640	-.2771	-.4046			
.857			-.2926						
.862								-.4823	
.865	.0000								
.879		-.3152							
.900	-.3328			-.4494			-.4992		
.905			-.4936						
.919		-.3968							
.950				-.4346	-.4722	-.5691			
.953			-.2290						
.955		-.2180							
.965	-.2516								
1.000			-.0065		-.1208		-.5194		

ALPHA0(7) = 6.348 BETA0 (2) = -2.025

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1545	-.0637	.3383	.5565	.4946	.4398	.2894	-.5880	
.010	-.0733	.0124	.4415	.3780	.3688	.4501	.4227		
.020	-.0119	.1334	.4204	.2514	.3101	.3355	.3076	-.3317	
.040		.1751	.2996						
.050	.0350			.1907	.2123	.2322	.2058		
.069								-.2581	
.080				.1643					
.081			.1948						
.086		.2694							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SCALED) LEFT WING BOT.

(RETL17)

ALPHA(7) = 6.348 BETA(2) = -2.025

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW
1.000

-.0186

-.0988

-.5126

ALPHA(7) = 6.344 BETA(3) = .018

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2046	-.1268	.2830	.5304	.4575	.3994	.2579	-.6306
.010	-.1269	-.0641	.3917	.3502	.3192	.3944	.3777	
.020	-.0557	.0788	.3960	.2253	.2613	.2880	.2644	-.3743
.040		.1279	.2777					
.050	.0093			.1609	.1714	.1925	.1630	
.069								-.3006
.080				.1353				
.081			.1806					
.086		.2370						
.094	.0399							
.150				.1353	.1414	.1244	.0334	
.157								-.2686
.163		.2382						
.177			.1430					
.229	.1240							
.246		.1488						
.250				.1316	.1021	.0586	-.0418	
.274			.1411					
.345								-.2766
.362	.0000							
.390		.1590						
.400				.0909	.0355		-.1187	
.402			.1369					
.418								-.6402
.497	.1485							
.503								.0000
.550				-.0675	-.1380			
.565			-.0182					
.600							-.2339	
.637		-.0072						
.650					-.2336			
.670								-.1756
.700	.0655			-.1342				
.725			-.0419					
.730								-.5616
.750					-.0864	-.1658		

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(7) = 6.344 BETA(3) = .018

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.0010						
.775				.0586	-.0220				
.798		-.0080							
.808			-.0359						
.834	-.1827								
.839		-.1377							
.850				-.2838	-.3134	-.4352			
.857			-.2952						
.862								-.5191	
.865	.0000								
.879		-.3077							
.900	-.3066			-.4679			-.5355		
.905			-.4829						
.919		-.3777							
.950				-.4019	-.4770	-.5870			
.953			-.2621						
.955		-.2396							
.965	-.2581								
1.000			-.0428	-.0692		-.4914			

ALPHA(7) = 6.340 BETA(4) = 2.076

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2662	-.1813	.2405	.4766	.4333	.3654	.2184	-.6859	
.010	-.1883	-.1339	.3311	.3278	.2705	.3491	.3342		
.020	-.1076	.0204	.3394	.2154	.2174	.2383	.2286	-.4192	
.040		.0689	.2220						
.050	-.0210			.1459	.1326	.1554	.1254		
.069				.1176				-.3412	
.080									
.081			.1314						
.086		.1930							
.094	.0188								
.150				.1105	.1063	.0980	.0069		
.157								-.3012	
.163		.2093							
.177			.0632						
.229	.1023								
.246		.1430							
.250				.1010	.0738	.0355	-.0630		
.274			.0673						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT. -

(RETL17)

ALPHA0(7) = 6.340 BETA0 (4) = 2.076

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.2978	
.362	.0000								
.390		.1377							
.400				.0561	.0139		-.1357		
.402			.0537						
.418								-.6507	
.497	.1364								
.503								.0000	
.550				-.0978	-.1579				
.565			-.1266						
.600							-.2429		
.637		-.0660							
.650					-.2491				
.670								-.1876	
.700	-.0084				-.1364				
.725				-.0673					
.730								-.5727	
.750						-.0975	-.1753		
.760			-.1336						
.775				.0323	-.0357				
.798		-.0900							
.808			-.1667						
.834	-.2333								
.839		-.1772							
.850				-.2999	-.3229	-.4450			
.857			-.3775						
.862								-.5336	
.865	.0000								
.879		-.2837							
.900	-.2682			-.4683			-.5440		
.905			-.5019						
.919		-.3123							
.950				-.3835	-.4553	-.5862			
.953			-.3577						
.955		-.2403							
.965	-.2472								
1.000			-.1588		-.0785		-.4486		

(RETL17)

DEPENDENT VARIABLE CP

X/CW								
.000	-.2970	-.1858	.1875	.4374	.4028	.3282	.1714	-.7579
.010	-.2196	-.1879	.2640	.3211	.2618	.3248	.3005	
.020	-.1397	-.0296	.2854	.2095	.2100	.2279	.1995	-.4823
.040		.0152	.1970					
.050	-.0493			.1412	.1226	.1402	.1141	
.069				.1085				-.3840
.080								
.081			.1094					
.086		.1548						
.094	-.0007							
.150				.0998	.0996	.0804	-.0068	
.157								-.3282
.163		.1883						
.177			.0750					
.229	.0890							
.246		.1440						
.250				.0910	.0639	.0200	-.0792	
.274			.0616					
.345								-.3102
.362	.0000							
.390		.1358						
.400				.0398	.0019		-.1533	
.402			.0335					
.418								
.497	.1315							
.503								.0000
.550				-.1102	-.1620			
.565		-.1375						
.600							-.2434	
.637		-.0646						
.650						-.2534		
.670								-.1829
.700	-.0313				-.1460			
.725				-.0954				
.730								
.750						-.1035	-.1969	
.760			-.1870					
.775				-.0172	-.0648			
.798		-.1088						
.808			-.2235					
.834	-.2332							
.839		-.2000						
.850				-.3058	-.3463	-.4659		
.857			-.3682					
.862								-.5318

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL17)

ALPHA(7) = 6.335 BETA(5) = 4.123

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	.0000								
.879		-.2660							
.900	-.2539			-.4057				-.5604	
.905			-.4219						
.919		-.2850							
.950				-.2893	-.3524	-.5768			
.953			-.3384						
.955		-.2377							
.965	-.2359								
1.000			-.2029	-.1206			-.4004		

X/CW

.865

.0000

.879

-.2660

.900

-.2539

-.4057

-.5604

.905

-.4219

.919

-.2850

.950

-.2893

-.3524

-.5768

.953

-.3384

.955

-.2377

.965

-.2359

-.2029

-.1206

-.4004

1.000

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL18) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 2.250
 ELV-18 = 10.000 ELV-08 = 4.000
 RUDDER = .000 SPDBRK = .000

ALPHA0 (1) = -5.223 BETA0 (1) = .032

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2286	-.0530	.3396	.4672	.3523	.2893	.2952	-.1497	
.010	-.2625	-.0267	.1537	-.5320	-.7720	-.6546	-.5939		
.020	-.3043	.0195	.0881	-.5310	-.7400	-.6669	-.5303	-.1538	
.040		.0442	-.0321						
.050	-.1613			-.3846	-.7120	-.6549	-.5135		
.069								-.1524	
.080				-.2433					
.081			-.0593						
.086		.1250							
.094	-.2765								
.150				-.1263	-.2618	-.6104	-.4954		
.157								-.1696	
.163		.1137							
.177			-.0488						
.229	-.0234								
.246		.0266							
.250				-.0446	-.1104	-.3134	-.4695		
.274			.0263						
.345								-.2052	
.362	.0000								
.390		.0817							
.400				.0931	.1593		-.3054		
.402			.0684						
.418								-.1368	
.497	.0701								
.503								.0000	
.550				.1121	.0594				
.585		.1044							
.600						-.0075			
.637		.1039							
.650						-.1360			
.670								-.1396	
.700	.1260				-.1885				
.725			-.2573						
.730								-.2175	
.750						-.1145	-.0380		
.760			-.2508						
.775				-.1116	-.0515				

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ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA0(1) = -6.223 BETA0(1) = .032

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.798		-.1195							
.808			-.1605						
.834	-.2471								
.839		-.1672							
.850				-.3128	-.3482	-.3488			
.857			-.3669						
.862								-.3978	
.865	.0000								
.879		-.3808							
.900	-.3667			-.4987			-.3982		
.905			-.5360						
.919		-.4839							
.950				-.6310	-.5580	-.5063			
.953			-.6063						
.955		-.4812							
.965	-.3983								
1.000			-.2312		-.4685		-.4345		

ALPHA0(2) = -4.129 BETA0(1) = -4.089

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1177	-.0302	.4427	.5871	.5169	.4781	.5186	-.1019	
.010	-.1644	-.0853	.2519	-.3534	-.5637	-.4734	-.3715		
.020	-.2139	-.0839	.1602	-.3701	-.5796	-.3801	-.3310	-.0942	
.040		.0143	.0160						
.050	-.1187			-.2526	-.5074	-.3597	-.3280		
.069								-.0736	
.080				-.1518					
.081			-.0198						
.086		.1700							
.094	-.2714								
.150				.0238	.0760	-.1041	-.1468		
.157								-.0558	
.163		.1546							
.177			-.0453						
.229	-.1086								
.246		.0611							
.250				.1623	.1590	.1377	-.0077		
.274			.1340						
.345								-.0921	
.362	.0000								

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA0 (2) = -4.129 BETA0 (1) = -4.089

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.2080					.0536		
.400				.2698	.2219				
.402			.2688						
.418									-.1351
.497	.1781								
.503								.0000	
.550				.2057	.1092				
.565			.2402						
.600							-.1147		
.637		.2823							
.650						-.1128			
.670								-.1396	
.700	.3420				-.1500				
.725				-.1992					
.730									-.4836
.750						-.0701	-.1197		
.760			-.3712						
.775				-.0466	.0015				
.798		-.1974							
.808			-.2191						
.834	-.2132								
.839		-.1086							
.850				-.2820	-.3049	-.3324			
.857			-.3923						
.862								-.3835	
.865	.0000								
.879		-.3430							
.900	-.3520			-.4693			-.3826		
.905			-.5923						
.919		-.5017							
.950				-.6130	-.5135	-.4984			
.953			-.7164						
.955		-.5030							
.965	-.3946								
1.000			-.2802		-.3828		-.2204		

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA01 (2) = -4.111 BETA0 (2) = .021

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2358	-.0452	.3755	.5042	.4114	.3631	.4196	-.1261	
.010	-.2612	-.0040	.2486	-.3951	-.6375	-.5880	-.3232		
.020	-.2883	.0228	.1776	-.3429	-.6050	-.5880	-.2524	-.1183	
.040		.0445	.0436						
.050	-.1700			-.2352	-.5580	-.5662	-.2423		
.069								-.1028	
.080				-.1562					
.081			-.0081						
.086		.1420							
.094	-.2815								
.150				-.0615	-.1149	-.1984	-.2558		
.157								-.1082	
.163		.1362							
.177			.0066						
.229	-.0116								
.246		.0525							
.250				-.0003	.0609	.1569	-.1696		
.274			.0569						
.345								-.1636	
.362	.0000								
.390		.1088							
.400				.1717	.1771		.0001		
.402			.1296						
.418								-.1485	
.497	.0996								
.503								.0000	
.550				.1306	.0608				
.565			.1255						
.600							-.1160		
.637		.1273							
.650						-.1465			
.670								-.1747	
.700	.1522				-.1979				
.725				-.2573					
.730								-.2495	
.750						-.1141	-.1052		
.760			-.2484						
.775			-.1054	-.0501					
.798	-.1222								
.808		-.1719							
.834	-.2297								
.839		-.1691							
.850			-.3135	-.3538	-.3721				
.857			-.3504						
.862								-.3401	

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA0(2) = -4.111 BETA0 (2) = .021

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	.0000								
.879		-.3838							
.900	-.3646			-.5046				-.4177	
.905			-.5418						
.919		-.5066							
.950				-.6402	-.5599	-.5339			
.953			-.6162						
.955		-.4462							
.965	-.3815								
1.000			-.2307		-.4600			-.4183	

ALPHA0(2) = -4.085 BETA0 (3) = 4.129

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3450	-.0009	.3196	.4430	.3497	.2995	.3068	-.1524	
.010	-.3213	.0248	.1532	-.2484	-.5741	-.5938	-.4992		
.020	-.2867	.0584	.1691	-.2160	-.5059	-.5224	-.4189	-.1521	
.040		.0773	.0740						
.050	-.2728			-.1404	-.4441	-.5034	-.4105		
.069				-.0832				-.1551	
.080									
.081			.0150						
.086		.1445							
.094	-.2399								
.150				-.0150	-.0621	-.1575	-.3353		
.157								-.1389	
.163		.1418							
.177			.0125						
.229	-.0037								
.246		.0863							
.250				.0351	-.0219	.0900	-.1170		
.274			.0306						
.345								-.1905	
.362	.0000								
.390		.1167							
.400				.0582	.1257		.0455		
.402			.0465						
.418								-.1238	
.497	.1070								
.503								.0000	
.550				.0228	.0059				

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA0(2) = -4.085 BETA0(3) = 4.129

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.0497						
.600							-.1706		
.637		-.0084							
.650						-.1882			
.670								-.2195	
.700	-.0108				-.2610				
.725			-.3050						
.730									-.2495
.750						-.1727	-.1696		
.760			-.2252						
.775				-.1274	-.0895				
.798		-.1307							
.808			-.2129						
.834	-.2738								
.839		-.2140							
.850				-.2880	-.3728	-.4189			
.857			-.3873						
.862								-.3596	
.865	.0000								
.879		-.3064							
.900	-.2949			-.4353			-.4357		
.905			-.4998						
.919		-.3687							
.950				-.5174	-.5328	-.5690			
.953			-.5031						
.955		-.3509							
.965	-.3148								
1.000			-.2892		-.4227		-.4633		

ALPHA0(3) = .045 BETA0(1) = -6.157

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0840	-.0286	.5391	.7349	.7068	.6984	.6647	.0901	
.010	-.1125	-.0319	.4836	.1757	.1090	.1888	.2399		
.020	-.1358	-.0686	.4042	.0729	.1215	.1336	.1076	.1270	
.040		.0552	.2522						
.050	-.0459			.1173	.1225	.1506	.1367		
.069								.0653	
.080				.1486					
.081			.1857						
.086		.2739							

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA0(3) = .045 BETA0 (1) = -6.157

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			-.1543		-.2585		-.3604		

ALPHA0(3) = .049 BETA0 (2) = -4.107

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1255	-.0404	.5056	.7036	.6707	.6565	.6286	.0479	
.010	-.1419	-.0432	.4537	.1402	.0570	.1190	.1911		
.020	-.0778	.0190	.3829	.0470	.0709	.0835	.0643	.0887	
.040		.0736	.2338						
.050	-.0850			.0891	.0821	.1096	.1018		
.069								.0358	
.080				.1235					
.081			.1654						
.086		.2361							
.094	-.1822								
.150				.2097	.2352	.2121	.1372		
.157								.0190	
.163		.2509							
.177			.2001						
.229	-.1050								
.246		.1915							
.250				.2818	.2595	.2279	.1292		
.274			.2757						
.345									-.0434
.362	.0000								
.398		.3115							
.400				.3289	.2755		.1204		
.402			.3588						
.418									-.3974
.497	.2784								
.503								.0000	
.550				.2347	.1364				
.565			.2982						
.600							-.1071		
.637		.3243							
.650						-.1003			
.670								-.1455	
.700	.4035				-.1430				
.725			-.1782						
.730									-.8523
.750					-.0608	-.0953			

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA0 (3) = .049 BETA0 (2) = -4.107

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.2912						
.775				-.0188	.0329				
.799		-.2766							
.808			-.1485						
.834	-.2128								
.839		-.1030							
.850				-.2658	-.2865	-.3259			
.857			-.2922						
.862								-.3941	
.865	.0000								
.879		-.3268							
.900	-.3517			-.4646			-.3817		
.905			-.4835						
.919		-.4724							
.950				-.6103	-.4839	-.4895			
.953			-.6051						
.955		-.4188							
.965	-.3135								
1.000			-.1843	-.3190		-.2897			

ALPHA0 (3) = .052 BETA0 (3) = -.012

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2475	-.0660	.4219	.6031	.5540	.5439	.5452	-.0138	
.010	-.1988	-.0277	.3938	.0588	-.0866	-.0454	.0659		
.020	-.1456	.0277	.3395	-.0054	-.0530	-.0464	-.0398	.0275	
.030		.0683	.2040						
.050	-.1751			.0211	-.0309	.0167	.0212		
.069								-.0165	
.080				.0416					
.081			.1244						
.086		.2019							
.094	-.1822								
.150				.0976	.1431	.1658	.0770		
.157								-.0324	
.163		.2157							
.177			.1241						
.229	.0116								
.246		.1422							
.250				.1748	.1899	.1732	.0880		
.274			.1647						

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA(3) = .052 BETA(3) = -.012

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.0902	
.362	.0000								
.390		.1962							
.400				.2352	.2215		.0725		
.402			.2299						
.418								-.4328	
.497	.1800								
.503								.0000	
.550				.1614	.0916				
.565			.1767						
.600							-.1487		
.637		.1749							
.650						-.1442			
.670								-.1869	
.700	.2146				-.1945				
.725				-.2407					
.750								-.8777	
.750						-.1201	-.1487		
.760			-.3262						
.775				-.1031	-.0263				
.798		-.1852							
.808			-.1740						
.834	-.2063								
.839		-.1598							
.850				-.3125	-.3466	-.3826			
.857			-.3348						
.862								-.4460	
.865	.0000								
.879		-.3696							
.900	-.3604			-.5062			-.4321		
.905			-.5266						
.919		-.4709							
.950			-.6280	-.5477	-.5446				
.953			-.5375						
.955		-.3926							
.965	-.3548								
1.000			-.1938	-.3963		-.3249			

ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA01 (3) = .069 BETA0 (4) = 4.104

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3637	-.0560	.3528	.5638	.4861	.4687	.4668	-.0806	
.010	-.3247	-.0354	.3609	.1150	-.0697	-.0786	.0023		
.020	-.2844	.0466	.3298	.0378	-.0473	-.0571	-.0817	-.0414	
.040		.0821	.2274						
.050	-.2776			.0522	-.0337	-.0232	-.0079		
.069				.0610				-.0742	
.080									
.081			.1513						
.086		.1834							
.094	-.2273								
.150				.1012	.1104	.1132	.0328		
.157								-.0887	
.163		.2130							
.177			.1394						
.229	.0310								
.246		.1513							
.250				.1374	.1226	.1220	.0328		
.274			.1507						
.345								-.1415	
.362	.0000								
.390		.1827							
.400				.1438	.1504		.0179		
.402			.1606						
.418									-.4700
.497	.1684								
.503								.0000	
.550				.0496	.0088				
.565			.0418						
.600							-.1953		
.637		.0336							
.650						-.1986			
.670								-.2403	
.700	.0442				-.2698				
.725				-.3184					
.730									-.8691
.750						-.1932	-.2044		
.760			-.1490						
.775				-.1131	-.0913				
.798		-.1014							
.808			-.1336						
.834	-.2470								
.839		-.1886							
.850				-.2626	-.3707	-.4383			
.857			-.2891						
.862								-.4859	

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RET118)

ALPHA(3) = .069 BETA(4) = 4.104

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	.0000								
.879		-.2887							
.900	-.2729			-.3977				-.4789	
.905			-.3870						
.919		-.3337							
.950				-.4645	-.4769	-.5956			
.953			-.3965						
.955		-.3361							
.965	-.3045								
1.000			-.1909		-.3411		-.4569		

ALPHA(3) = .076 BETA(5) = 6.162

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.4393	.0062	.3046	.5236	.4542	.4302	.4296	-.0994	
.010	-.4081	-.0297	.3209	.1242	-.0714	-.1009	-.0232		
.020	-.3601	.0408	.2973	.0538	-.0473	-.0700	-.0983	-.0619	
.040		.0642	.2092						
.050	-.3479			.0662	-.0297	-.0350	-.0157		
.069								-.0920	
.080				.0769					
.081			.1482						
.086		.1529							
.094	-.2010								
.150				.1091	.0987	.0972	.0246		
.157								-.1055	
.163		.1815							
.177			.1451						
.229	.0377								
.246		.1508							
.250				.1339	.1018	.1050	.0118		
.274			.1543						
.345								-.1603	
.362	.0000								
.390		.1799							
.400				.1168	.1183		-.0071		
.402			.1474						
.418								-.4595	
.497	.1670								
.503									.0000
.550				-.0005	-.0343				

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA(3) = .076 BETA(5) = 6.162

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.0143						
.600							-.2147		
.637		.0061							
.650						-.2237			
.670								-.2637	
.700	-.0075				-.2944				
.725				-.1993					
.730									-.8206
.750						-.2186	-.2269		
.760			-.1002						
.775				-.0568	-.0296				
.798		-.0976							
.808			-.1223						
.834	-.2323								
.839		-.1811							
.850				-.2432	-.3029	-.4246			
.857			-.2759						
.862								-.5061	
.865	.0000								
.879		-.2680							
.900	-.2615			-.3843			-.4954		
.905			-.3868						
.919		-.3194							
.950				-.4795	-.4766	-.5157			
.953			-.4073						
.955		-.3285							
.965	-.2937								
1.000			-.1855		-.3556		-.4206		

ALPHA(4) = 4.250 BETA(1) = -4.085

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0821	-.1647	.4501	.6618	.6670	.6435	.5471	-.1609	
.010	-.0060	-.0386	.4181	.4620	.4556	.5362	.5285		
.020	.0133	.0607	.3926	.3508	.4079	.4279	.4195	-.0006	
.040		.1058	.2551						
.050	-.0501			.3036	.3298	.3565	.3453		
.069								.0287	
.080				.2879					
.081			.2333						
.086		.2851							

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ARC11-019 IAB1 LVAP(ELML SEALED) LEFT WING BOT.

(RETL18)

ALPHA(4) = 4.250 BETA(1) = -4.085

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.094	-.0080								
.150				.3073	.3321	.3287	.2528		
.157								.0136	
.163		.3312							
.177			.2285						
.229	.0062								
.246		.2675							
.250				.3318	.3206	.2899	.1995		
.274			.2655						
.345								-.0435	
.362	.0000								
.390		.3436							
.400				.3398	.2945		.1411		
.402			.3191						
.418									-.7375
.497	.3108								
.503								.0000	
.550				.2300	.1483				
.565			.2255						
.600							-.0877		
.637		.3137							
.650						-.0875			
.670								-.1332	
.700	.4024				-.1440				
.725				-.1790					
.730									-.9541
.750						-.0898	-.0644		
.760			-.4232						
.775				-.0150	.0437				
.798		-.3024							
.808			-.2576						
.834	-.2044								
.839		-.1005							
.850				-.2695	-.2768	-.3129			
.857			-.3955						
.862								-.3918	
.865	.0000								
.879		-.3172							
.900	-.3425			-.4609			-.3660		
.905			-.5944						
.919		-.4429							
.950				-.5868	-.4518	-.4821			
.953			-.5497						
.955		-.2592							
.965	-.2571								

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ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA0(4) = 4.250 BETA0 (1) = -4.085

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW
1.000 - .2214 - .1966 - .4999

ALPHA0(4) = 4.253 BETA0 (2) = .000

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW	CP	CP	CP	CP	CP	CP	CP	CP	CP
.000	-.2192	-.2449	.3567	.6166	.5929	.5741	.4935	-.2275	
.010	-.1621	-.1900	.3771	.3902	.3488	.4262	.4505		
.020	-.1367	-.0377	.3730	.2884	.3033	.3379	.3413	-.0691	
.040		.0265	.2672						
.050	-.1431			.2356	.2375	.2787	.2753		
.069								-.0346	
.080				.2159					
.081			.1845						
.086		.2254							
.094	-.0983								
.150				.2306	.2585	.2671	.1990		
.157								-.0468	
.163		.2847							
.177			.1544						
.229	.0339								
.246		.2155							
.250				.2534	.2565	.2380	.1482		
.274			.2368						
.345								-.1005	
.362	.0000								
.390		.2557							
.400				.2595	.2451		.0966		
.402			.1971						
.418									-.7937
.497	.2320								
.503								.0000	
.550				.1607	.1016				
.565			.1715						
.600							-.1300		
.637		.1790							
.650					-.1294				
.670							-.1788		
.700	.2337			-.1951					
.725			-.2410						
.730									-.9402
.750					-.1318	-.1124			

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA(4) = 4.253 BETA(2) = .000

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.3572						
.775				-.0986	-.0019				
.798		-.1617							
.808			-.1417						
.834	-.1876								
.839		-.1353							
.850				-.3039	-.3359	-.3626			
.857			-.7756						
.862								-.4404	
.865	.0000								
.879		-.3401							
.900	-.3337			-.4828			-.4144		
.905			-.4986						
.919		-.3689							
.950				-.5483	-.5386	-.5337			
.953			-.3589						
.955		-.2725							
.965	-.3210								
1.000			-.1560		-.1911		-.4421		

ALPHA(4) = 4.255 BETA(3) = 4.115

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3904	-.2163	.2618	.4674	.5312	.5102	.4328	-.3018	
.010	-.3389	-.1856	.3493	.3441	.3003	.3661	.3837		
.020	-.2744	-.0406	.3582	.2594	.2660	.2804	.2817	-.1444	
.040		.0145	.2906						
.050	-.2329			.2101	.2008	.2189	.2241		
.069								-.1061	
.080				.1963					
.081			.2172						
.086		.1864							
.094	-.1533								
.150				.2000	.2059	.2109	.1448		
.157								-.1081	
.163		.2388							
.177			.2053						
.229	.0436								
.246		.1952							
.250				.1990	.1913	.1834	.0889		
.274			.2060						

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA0 (4) = 4.255 BETA0 (3) = 4.115

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.1555	
.362	.0000								
.390		.2253							
.400				.1698	.1695		.0446		
.402			.1951						
.418									-.8498
.497	.2062								
.503								.0000	
.550				.0472	.0169				
.565			.0562						
.600							-.1765		
.637		.0529							
.650						-.1843			
.670								-.2355	
.700	.0685				-.2657				
.725				-.2788					
.730									-.8583
.750						-.1948	-.1759		
.760			-.0834						
.775				-.0293	-.0311				
.799		-.0586							
.808			-.0780						
.834	-.2142								
.839		-.1404							
.850				-.1904	-.2523	-.4117			
.857			-.2991						
.862								-.4869	
.865	.0000								
.879		-.2414							
.900	-.2356			-.3551			-.4657		
.905			-.4295						
.919		-.3002							
.950				-.4586	-.4065	-.5222			
.953			-.4691						
.955		-.3124							
.965	-.2790								
1.000			-.2107		-.2476		-.5148		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA(5) = 6.356 BETA(1) = .011

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2340	-.3968	.2967	.6016	.5750	.5485	.4375	-.3621	
.010	-.1627	-.3202	.4369	.4896	.4758	.5538	.5473		
.020	-.1210	-.0819	.4723	.3811	.4196	.4590	.4537	-.1244	
.040		-.0115	.3917						
.050	-.1026			.3065	.3315	.3711	.3706		
.069								-.0556	
.080				.2747					
.081			.2920						
.086		.2416							
.094	-.0663								
.150				.2673	.3068	.3196	.2557		
.157								-.0404	
.163		.3134							
.177			.2532						
.229	.0504								
.246		.2390							
.250				.2720	.2831	.2726	.1858		
.274			.2532						
.345								-.0880	
.362	.0000								
.390		.2717							
.400				.2600	.2514		.1220		
.402			.2756						
.418								-.0265	
.497	.2449								
.503								.0000	
.550				.1458	.1066				
.565			.1647						
.600							-.1123		
.637		.1703							
.650						-.1159			
.670								-.1619	
.700	.2279				-.1888				
.725			-.2412						
.730								-.7840	
.750						-.1291	-.0903		
.760			-.3616						
.775				-.0962	-.0021				
.798		-.1594							
.808			-.1071						
.834	-.1773								
.839		-.1095							
.850				-.2838	-.3075	-.3457			
.857			-.1932						
.862								-.4266	

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ARC11-019 1A91 LVAPIELHL SEALED) LEFT WING BOT.

(RETL18)

ALPHA(5) = 8.356 BETAD (1) = .011

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.885	.0000							
.879		-.2244						
.900	-.2801		-.3715				-.4009	
.905			-.2500					
.919		-.2622						
.950			-.2923	-.4490	-.5139			
.953			-.3592					
.955		-.3505						
.965	-.3394							
1.000		-.1411		-.1342		-.6808		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL19) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.250 RN/FT = 2.250
 ELV-18 = 10.000 ELV-08 = 4.000
 RUDDER = .000 SPDBRK = .000

ALPHA(1) = -4.169 BETA(1) = -4.086

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CN									
.000	-.0292	-.1356	.3045	.5731	.5435	.5078	.5221	-.0816	
.010	-.0585	-.2117	.0742	-.3530	-.4617	-.3751	-.3364		
.020	-.1042	-.0437	.0097	-.5046	-.5053	-.5416	-.4519	-.0839	
.040		-.0485	-.1737						
.050	-.2217			-.4091	-.4406	-.4658	-.4147		
.069								-.0587	
.080				-.3634					
.081			-.2363						
.086		-.1453							
.094	-.1119								
.150				.0317	-.0985	-.2486	-.3316		
.157								-.0536	
.163		-.0505							
.177			.0405						
.229	-.0541								
.246		-.0499							
.250				.1146	.0261	-.0504	-.2270		
.274			.1656						
.345								-.1691	
.362	.0000								
.390		.2175							
.400			.2770	.2772		.1286			
.402			.2550						
.418								-.0917	
.497	.1941								
.503								.0000	
.550			.2905	.2257					
.565			.2489						
.600						.0720			
.637		.3293							
.650					.0321				
.670							.0116		
.700	.3573			-.0065					
.725			-.0610						
.730					.0553	.0434		-.3245	
.750									
.760		-.1580							
.775			.0613	.1183					

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(RETL:9)

ARC11-019 TAB: LVAP(ELHL SEALED) LEFT WING BOT.

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.798	-.2051				
.808		-.1561			
.834	-.3029				
.839		-.1051			
.850			-.1387	-.1571	-.1662
.857		-.2516			
.862					
.865	.0000				-.1927
.879		-.2343			
.900	-.2668		-.3195		-.2225
.905		-.3857			
.919		-.3649			
.950			-.4639	-.3596	-.3253
.953		-.4832			
.955		-.4843			
.965	-.4183				
1.000		-.3966	-.4247		-.3090

ALPHA0(1) = -4.149 BETAO (2) = .018

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1387	-.1913	.2269	.5101	.4543	.4132	.4219	-.2934
.010	-.1564	-.1894	.0311	-.3277	-.4722	-.4140	-.3896	
.020	-.1848	-.1382	-.0174	-.2899	-.5159	-.5731	-.5891	-.2759
.040		-.1211	-.0016					
.050	-.2832			-.1153	-.4359	-.5071	-.5105	
.069								-.2216
.080				-.0904				
.081			-.0549					
.086		-.1903						
.094	-.1647							
.150				-.0645	-.0883	-.2811	-.4675	
.157								-.1784
.163		.0297						
.177			.0304					
.229	-.1417							
.246		.0797						
.250				.0341	-.0408	-.1135	-.3287	
.274			.0834					
.345								-.2794
.362	.0000							

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ARC11-019 1A81 LVAF(ELHL SEALED) LEFT WING BOT.

(RETL19)

ALPHA0(1) = -4.149 BETA0(2) = .018

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/GW									
.390		.1346							
.400				.0852	.1372		.1376		
.402			.1023						
.418									-.1357
.497	.1193								
.503								.0000	
.550				.1914	.1742				
.565			.1565						
.600							.0363		
.637		.1596							
.650						-.0018			
.670								-.0209	
.700	.1614				-.0478				
.725			-.1014						
.730									-.3257
.750						.0201	.0102		
.760			-.1800						
.775				-.0012	.0747				
.798		-.2102							
.808			-.1066						
.834	-.2289								
.839		-.0723							
.850				-.1925	-.1939	-.2016			
.857			-.2442						
.862								-.2258	
.865	.0000								
.879		-.2672							
.900	-.2944			-.3547			-.2369		
.905			-.3982						
.919		-.3830							
.950				-.4754	-.3941	-.3568			
.953			-.5102						
.955		-.4586							
.965	-.3644								
1.000			-.3405		-.4787		-.1432		

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ARC11-019 IAB1 LVAP(ELRL SEALED) LEFT WING BOT.

(RETL19)

ALPHA(1) = -4.104 BETA(3) = 4.142

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2777	-.1621	.2455	.4592	.3636	.3168	.3718	-.1197	
.010	-.2823	-.1450	.1736	-.2570	-.4937	-.4580	-.4176		
.020	-.2923	-.1245	.1421	-.2062	-.4484	-.4982	-.4313	-.1219	
.040		-.1002	.0892						
.050	-.1867			-.1393	-.4242	-.4761	-.4262		
.069								-.1006	
.080				-.0609					
.081			.0282						
.086		.0210							
.094	-.2453								
.150				-.0064	-.0609	-.1729	-.3940		
.157								-.1203	
.163		.0868							
.177			.0507						
.229	-.1586								
.246		.0589							
.250				.0397	-.0316	-.0304	-.2043		
.274			.0818						
.345								-.2346	
.362	.0000								
.390		.1240							
.400				.0573	.0752		.1665		
.402			.0975						
.418								-.1501	
.497	.1039								
.503								.0000	
.550				.0640	.1397				
.585			.0202						
.600							-.0210		
.637		.0255							
.650						-.0448			
.670								-.0805	
.700	.0121				-.1076				
.725				-.1746					
.730								-.3745	
.750						-.0470	-.0468		
.760			-.1184						
.775				-.0503	.0138				
.798		-.0778							
.808			-.0973						
.834	-.2274								
.839		-.1500							
.850				-.2051	-.2534	-.2634			
.857			-.2359						
.862								-.2871	

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL19)

ALPHA(1) = -4.104 BETA(3) = 4.148

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	.0000								
.879		-.2517							
.900	-.2376			-.3384			-.2900		
.905			-.3495						
.919		-.2934							
.950				-.4392	-.4084	-.4103			
.953			-.3845						
.955		-.3115							
.965	-.2674								
1.000			-.2420		-.4302		-.2765		

ALPHA(2) = .052 BETA(1) = -4.119

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0364	-.0798	.3708	.6329	.6661	.6320	.6537	.1220	
.010	-.0460	.0136	.1796	-.0893	-.0868	-.0964	.0767		
.020	-.0823	-.0265	.0231	-.1148	-.0403	-.1364	-.0053	.1516	
.040		-.0358	-.1443						
.050	-.0093			.0046	-.0629	-.0418	.0760		
.069								.1182	
.080				.1362					
.081			-.1331						
.086		-.0843							
.094	-.1264								
.150				.1514	.1671	.2860	.2170		
.157								.1160	
.163		.0100							
.177			.0661						
.229	-.0115								
.246		.0494							
.250				.2506	.3180	.2977	.2100		
.274			.1709						
.345								.0782	
.362	.0000								
.390		.3010							
.400				.3954	.3684		.2208		
.402			.3191						
.418									-.2259
.497	.2729								
.503								.0000	
.550				.3451	.2562				

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL19)

ALPHA0(2) = .052 BETA0 (1) = -4.119

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565			.2443						
.600							.0331		
.637		.4044							
.650						.0471			
.670								-.0054	
.700	.4535				.0143				
.725				-.0206					
.730									
.750						.0652	.0321		-.6550
.760			-.3121						
.775				.1126	.1672				
.798		-.1599							
.808			-.1475						
.834	-.3179								
.839		-.0956							
.850				-.1001	-.1440	-.1666			
.857			-.3397						
.862								-.2433	
.865	.0000								
.879		-.2196							
.900	-.2515			-.2884			-.2243		
.905			-.5214						
.919		-.3322							
.950				-.4457	-.3505	-.3216			
.953			-.6085						
.955		-.4657							
.965	-.4172								
1.000			-.5337		-.3918		-.4940		

ALPHA0(2) = .055 BETA0 (2) = -.007

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1524	-.1723	.3617	.5657	.5679	.5369	.5349	.0713	
.010	-.1574	-.0583	.1783	.0810	-.0837	-.1500	-.0906		
.020	-.1797	-.0891	.1200	.0377	-.0487	-.1711	-.2546	.1021	
.040		-.0985	-.0344						
.050	-.0808			.0005	-.0997	-.1035	-.1428		
.069								.0741	
.080				.0409					
.081			.0897						
.086		.0087							

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL19)

ALPHA(2) = .055 BETA(2) = -.007

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.094	-.1705								
.150				.0873	.0859	.0555	.2405		
.157								.0681	
.163		.1765							
.177			.0226						
.229	-.0737								
.246		.1532							
.250				.1413	.1099	.2790	.2046		
.274			.0078						
.345								.0191	
.362	.0000								
.390		.2128							
.400				.2615	.3266		.1861		
.402			.0623						
.418									-.2861
.497	.1903								
.503								.0000	
.550				.2609	.2132				
.565			.0908						
.600							-.0048		
.637		.2357							
.650						.0074			
.670								-.0493	
.700	.2545				-.0420				
.725			-.0911						
.730									-.6969
.750						.0186	-.0131		
.760			-.3680						
.775				.0251	.1046				
.798		-.2075							
.808			-.3184						
.834	-.2461								
.839		-.1113							
.850				-.1651	-.1932	-.2183			
.857			-.4678						
.862								-.2896	
.865	.0000								
.879		-.2732							
.900	-.2972			-.3478			-.2695		
.905			-.6284						
.919		-.3922							
.950				-.4876	-.3976	-.3746			
.953			-.7388						
.955		-.4849							
.965	-.3763								

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL19)

ALPHA(2) = .055 BETA(2) = -.007

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

1.000

-.4541

-.4563

-.4341

ALPHA(2) = .067 BETA(3) = 4.107

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000

-.2941

-.1510

.2985

.5609

.4964

.5144

.5183

.0098

.010

-.2671

-.1241

.3080

.1393

-.0427

-.0571

.0457

.020

-.2377

-.0667

.2896

.0948

-.0226

-.0556

-.0477

.0451

.040

-.0308

.2061

.050

-.1730

.0698

-.0443

-.0099

.0454

.069

.0727

.0273

.080

.081

.0821

.1350

.086

-.1986

.094

.150

.1005

.0896

.1846

.1183

.0155

.157

.163

.1706

.1437

.177

-.1432

.229

.1354

.246

.1343

.2404

.1607

.1441

.250

.1575

.274

.345

-.0259

.362

.0000

.390

.1949

.400

.2230

.2339

.1339

.402

.1791

.418

.497

-.3615

.503

.1666

.550

.0000

.565

.1109

.1459

.1349

.600

.0966

-.0488

.637

.650

.670

.700

.725

.730

.750

.0480

-.1045

-.1815

-.1168

-.0455

-.0631

-.7370

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1143

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL19)

ALPHA0(2) = .067 BETA0 (3) = 4.107

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.1504						
.775				-.0625	.0233				
.798		-.0623							
.808			-.0826						
.834	-.2105								
.839		-.1269							
.850				-.1976	-.2459	-.2708			
.857			-.2446						
.862								-.3307	
.865	.0000								
.879		-.2489							
.900	-.2271			-.3475				-.3136	
.905			-.3600						
.919		-.2890							
.950				-.4581	-.4119	-.4187			
.953			-.3709						
.955		-.2963							
.965	-.2642								
1.000			-.2186		-.4100		-.2837		

ALPHA0(3) = 4.242 BETA0 (1) = -4.090

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.080	-.0544	-.1071	.4277	.7270	.7156	.7031	.6540	-.0105	
.010	-.0416	-.0618	.4787	.4057	.3745	.4809	.5336		
.020	-.0451	-.0485	.4438	.2662	.3334	.3941	.4228	.1173	
.040		-.0456	.3297						
.050	.0567			.2499	.2748	.3379	.3729		
.069								.1408	
.080				.2376					
.081			.2505						
.086		.0972							
.094	-.0941								
.150				.2767	.3341	.3604	.3152		
.157								.1252	
.163		.2752							
.177			.2541						
.229	-.0073								
.246		.2267							
.250				.3486	.3618	.3544	.2765		
.274			.3204						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL19)

ALPHA(3) = 4.242 BETA(1) = -4.090

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								.0795	
.362	.0000								
.390		.3442							
.400				.4006	.3859		.2511		
.402			.4095						
.418									-.5349
.497	.3019								
.503								.0000	
.550				.3404	.2653				
.565			.3787						
.600							.0521		
.637		.4001							
.650						.0580			
.670								.0029	
.700	.4604				.0140				
.725				-.0175					
.730									-.7913
.750						.0685	.0725		
.760			-.1311						
.775				.1260	.1864				
.798		-.1617							
.808			-.0267						
.834	-.2411								
.839		-.0588							
.850				-.0937	-.1325	-.1531			
.857			-.1946						
.862								-.2331	
.865	.0000								
.879		-.1906							
.900	-.2443			-.2881			-.2053		
.905			-.3452						
.919		-.3186							
.950				-.4363	-.3468	-.3122			
.953			-.4346						
.955		-.4434							
.965	-.3806								
1.000			-.2273		-.3205		-.5835		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL19)

ALPHA0(3) = 4.243 BETA0 (2) = .004

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CH										
.000	-.1776	-.2291	.3207	.6322	.6175	.6093	.5714	-.1025		
.010	-.1180	-.1773	.4070	.4000	.3101	.3781	.4586			
.020	-.0745	-.0866	.3813	.2902	.2779	.3012	.3557	.0312		
.040		-.0530	.3075							
.050	-.0589			.2357	.1981	.2490	.3210			
.069								.0634		
.080				.2133						
.081			.2218							
.086		.0975								
.094	-.0796									
.150				.2161	.2463	.3003	.2741			
.157								.0608		
.163		.2490								
.177			.2154							
.229	-.0589									
.246		.1951								
.250				.2489	.2852	.3120	.2312			
.274			.2402							
.345								.0213		
.362	.0000									
.390		.2698								
.400				.3129	.3341		.2083			
.402			.2953							
.418										-.6185
.497	.2429									
.503								.0000		
.550				.2606	.2171					
.565			.1861							
.600							.0137			
.637		.2568								
.650					.0205					
.670								-.0430		
.700	.2835			-.0391						
.725			-.0889							
.730										-.8264
.750					.0333	.0191				
.760			-.2233							
.775			.0265	.1231						
.798		-.1949								
.808			-.1692							
.834	-.1925									
.839		-.0766								
.850				-.1562	-.1941	-.2060				
.857			-.2958							
.862								-.2851		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL19)

ALPHA(3) = 4.243 BETA(2) = .004

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	.0000								
.879		-.2429							
.900	-.2602			-.3379				-.2548	
.905			-.3779						
.919		-.3517							
.950				-.4723	-.3975	-.3631			
.953			-.5448						
.955		-.4001							
.965	-.2909								
1.000			-.2414		-.3719		-.5780		

ALPHA(3) = 4.242 BETA(3) = 4.125

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3292	-.2633	.2285	.5495	.5431	.5637	.5063	-.1798	
.010	-.2659	-.2283	.3269	.3633	.3126	.4246	.4221		
.020	-.1715	-.0782	.3451	.2683	.2938	.3381	.3294	-.0379	
.040		-.0348	.2727						
.050	-.1481			.2194	.2214	.2686	.2906		
.069								.0016	
.080				.1982					
.081			.2031						
.086		.1280							
.094	-.1923								
.150				.1998	.2584	.2544	.2346		
.157								.0047	
.163		.2147							
.177			.2024						
.229	-.0601								
.246		.1821							
.250				.2241	.2351	.2525	.1852		
.274			.2165						
.345								-.0318	
.362	.0000								
.390		.2416							
.400				.2219	.2551		.1514		
.402			.2274						
.418									-.6659
.497	.2123								
.503								.0000	
.550			.1411	.1259					

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL19)

ALPHA(3) = 4.242 BETA(3) = 4.125

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP									
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000		
X/CW											
.565			.1226								
.600							-.0312				
.637		.1126									
.650						-.0389					
.670								-.0993			
.700	.1099				-.1221						
.725			-.1858								
.730									-.6427		
.750						-.0465	-.0411				
.760			-.1291								
.775				-.0523	.0308						
.798		-.0359									
.808			-.0490								
.834	-.1856										
.839		-.1013									
.850			-.1868	-.2317	-.2561						
.857			-.1974								
.862								-.3218			
.865	.0000										
.879		-.2008									
.900	-.1923			-.2935			-.2988				
.905			-.2747								
.919		-.2211									
.950			-.2632	-.3855	-.4146						
.953			-.2381								
.955		-.2294									
.965	-.2299										
1.000		-.2070		-.2080		-.5317					

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL20) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.400 RN/FT = 2.250
 ELV-1B = .000 ELV-0B = .000
 RUDDER = .000 SPDBRK = .000

ALPHA(1) = .017 BETA(1) = -6.173

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.000	.0566	-.0529	.4170	.7315	.7072	.6808	.6805	.0277
.010	.1315	-.0457	.3767	-.0019	-.1445	-.0874	.0099	
.020	.0943	-.0438	.3204	-.1325	-.1868	-.1998	-.2392	.0398
.040		.0035	.1086					
.050	-.0289			-.1038	-.1466	-.2145	-.2296	
.069								.0776
.080				-.0891				
.081			-.0299					
.086		-.0116						
.094	.0674							
.150				-.0425	-.1035	-.1326	-.1535	
.157								.1129
.163		.1741						
.177			-.0184					
.229	-.0534							
.246		.1048						
.250				-.0830	.0641	.2199	.1938	
.274			.0218					
.345								.2058
.362	.0000							
.390		.0672						
.400				.4868	.4705		.3539	
.402			.4364					
.418								-.0583
.497	.0178							
.503								.0000
.550				.4612	.3772			
.565			.4821					
.600							.1895	
.637		.5095						
.650					.2003			
.670								-.0033
.700	.5676				.1435			
.725				.1299				
.730								-.4129
.750						.0761	.0060	
.760			.0115					
.775				.0396	-.0110			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL20)

ALPHA(1) = .017 BETA(1) = -6.173

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.798		-.0851							
.808			-.1714						
.834	-.2339								
.839		-.2775							
.850				-.2198	-.2317	-.1469			
.857			-.3105						
.862								-.1781	
.865	-.2562								
.879		-.3783							
.900	-.2630			-.3257			-.1938		
.905			-.4271						
.919		-.4011							
.950				-.4234	-.3435	-.2960			
.953			-.4965						
.955		-.4270							
.965	-.3897								
1.000			-.3549		-.2450		-.3664		

ALPHA(1) = .018 BETA(2) = -4.117

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	.0276	-.0809	.3681	.6840	.6581	.6497	.6354	.0024	
.010	.0345	-.0838	.3102	-.0460	-.1732	-.1021	-.0236		
.020	.0098	.0275	.2693	-.1689	-.2039	-.2110	-.2627	.0206	
.040		.0379	.0691						
.050	-.0755			-.1493	-.1853	-.2244	-.1580		
.069								.0470	
.080				-.1609					
.081			-.0733						
.086		-.0245							
.094	.0058								
.150				-.0804	-.1371	-.1468	-.1838		
.157								.0727	
.163		.1079							
.177			-.0280						
.229	.0195								
.246		.0513							
.250				-.0546	.0234	.1734	.1136		
.274			.0363						
.345								.1923	
.362	.0000								

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TAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL20)

ALPHA(1) = .018 BETA(2) = -4.117

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7600	.8870	.9720	1.0000
X/CW									
.390		.1116							
.400				.4377	.4680		.3398		
.402			.3783						
.418									
.497	.0045								-.1095
.503								.0000	
.550				.4248	.3763				
.565			.4414						
.600							.1880		
.637		.4559							
.650						.1886			
.670								-.0078	
.700	.4715				.1438				
.725				.1000					
.730									-.4511
.750						.0696	.0033		
.760			-.0150						
.775				.0161	-.0116				
.798		-.1072							
.808			-.1945						
.834	-.2570								
.839		-.2932							
.850				-.2337	-.2186	-.1527			
.857			-.3291						
.862								-.1845	
.865	-.2728								
.879		-.3804							
.900	-.2959			-.3355			-.1949		
.905			-.4425						
.919		-.4147							
.950				-.4293	-.2972	-.2990			
.953			-.5078						
.955		-.4354							
.965	-.3917								
1.000			-.3691		-.2278		-.3684		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL20)

ALPHA(1) = .024 BETA(3) = -2.072

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0301	-.1012	.3263	.6378	.6181	.5853	.5944	-.0384	
.010	-.0257	-.0630	.2532	-.0868	-.1988	-.1520	-.0604		
.020	-.0423	-.0302	.2064	-.2099	-.2317	-.2601	-.2866	-.0142	
.040		-.0321	.0199						
.050	-.0411			-.1098	-.2087	-.2717	-.2813		
.069								.0143	
.080				-.0932					
.081			-.0606						
.086		-.0543							
.094	-.0517								
.150				-.1132	-.1338	-.1815	-.2134		
.157								.0304	
.163		.0363							
.177			-.0862						
.229	-.0417								
.246		.0126							
.250				.1599	.1712	.1249	.1035		
.274			.0738						
.345								.2159	
.362	.0000								
.390		.1585							
.400				.3015	.4050		.3460		
.402			.3199						
.418									-.1670
.497	.0776								
.503								.0000	
.550				.3936	.3545				
.565			.3692						
.600							.1781		
.637		.3659							
.650					.1788				
.670								.0031	
.700	.3634				.1154				
.725			.0785						
.730									-.4580
.750						.0577	-.0080		
.758			-.0497						
.775				-.0152	-.0440				
.798		-.1344							
.808			-.2209						
.834	-.2668								
.839		-.3124							
.850				-.2596	-.2428	-.1632			
.857			-.3494						
.862								-.2023	

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TABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL20)

ALPHA0(1) = .024 BETA0(3) = -2.072

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.865	-.2786								
	.879		-.3790							
	.900	-.3048			-.3631				-.2124	
	.905			-.4561						
	.919		-.4103							
	.950				-.4435	-.3136	-.3067			
	.953			-.5104						
	.955		-.4428							
	.965	-.4047								
	1.000			-.3688		-.2644		-.3763		

ALPHA0(1) = .023 BETA0(4) = -.006

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.000	-.0630	-.1472	.3029	.5699	.5607	.5343	.5523	-.0710	
	.010	-.0567	-.1301	.2381	-.1158	-.2325	-.1871	-.0795		
	.020	-.0747	-.0339	.1872	-.2222	-.2688	-.2699	-.2952	-.0580	
	.040		-.0163	.0036						
	.050	-.1404			-.1336	-.2189	-.1966	-.2156		
	.069								-.0376	
	.080				-.0906					
	.081			-.1127						
	.086		-.0929							
	.094	-.0710								
	.150				-.0661	.0652	.0172	-.0770		
	.157								.0489	
	.163		.0273							
	.177			-.0752						
	.229	-.0924								
	.246		.0275							
	.250				.2219	.1712	.1155	.0847		
	.274			.2009						
	.345								.1642	
	.362	.0000								
	.390		.2271							
	.400				.2299	.2517		.3102		
	.402			.2438						
	.418									-.1586
	.497	.1524								
	.503								.0000	
	.550				.3369	.3197				

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL20)

ALPHA(1) = .023 BETA(4) = -.006

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565			.2716						
.600							.1522		
.637		.2729							
.650						.1521			
.670								-.0056	
.700	.2700				.0832				
.725				.0351					
.730									-.4652
.750						.0315	-.0332		
.760			-.1002						
.775				-.0526	-.0790				
.798		-.1818							
.808			-.2599						
.834	-.2869								
.839		-.3411							
.850				-.2890	-.2591	-.1874			
.857			-.3819						
.862								-.2289	
.865	-.2844								
.879		-.3730							
.900	-.3286			-.3913			-.2369		
.905			-.4819						
.919		-.4275							
.950				-.4710	-.3490	-.3247			
.953			-.5260						
.955		-.4677							
.965	-.4109								
1.000			-.3922		-.3204		-.3795		

ALPHA(1) = .030 BETA(5) = 2.059

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1353	-.1562	.2355	.5453	.5312	.5168	.5123	-.0778	
.010	-.1266	-.1136	.1788	-.0845	-.1516	-.1402	-.0707		
.020	-.1245	-.0843	.1345	-.0649	-.0858	-.1848	-.2693	-.0632	
.040		-.0802	-.0058						
.050	-.1524			-.0097	-.0660	-.1107	-.1754		
.069								-.0672	
.080				.0333					
.081			.0370						
.086		-.0534							

TABLE A - PRESSURE SOURCE DATA TABULATION

(RET L20)

ARC11-019 LAB1 LVAP(ELHL SEALED) LEFT WING BOT.

ALPHA0(1) = .030 BETA0 (5) = 2.059

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	-.1089					
.150			.0901	.0979	.0656	.0229
.157						-.0567
.163	.0002					
.177		.1282				
.229	-.0775					
.246	.0725					
.250			.1518	.0818	.0479	.0083
.274		.1888				
.345						.1557
.362	.0000					
.390	.2014					
.400			.1557	.1386		.2544
.402		.1841				
.418						-.1084
.497	.1506					
.503						.0000
.550			.2349	.2831		
.565		.1641				
.600					.1411	
.637	.1613					
.650					.1272	
.670						-.0109
.700	.1490			.0458		
.725			-.0271			
.730						-.4907
.750					.0002	-.0447
.760		-.1644				
.775			-.1082	-.1162		
.798	-.2509					
.808		-.3096				
.834	-.2861					
.839	-.3476					
.850			-.3292	-.2684	-.2111	
.857		-.4155				
.862						-.2553
.865	-.2883					
.879	-.3693					
.900	-.2995		-.4239			-.2590
.905		-.4896				
.919	-.4160					
.950			-.4971	-.3453	-.3421	
.953		-.5208				
.955	-.4249					
.965	-.3859					

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL20)

ALPHA(1) = .030 BETA(5) = 2.059

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW
1.000 -.3346 -.3696 -.3791

ALPHA(1) = .032 BETA(6) = 4.116

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW	.000	.010	.020	.040	.050	.069	.080	.081	.086	.094	.150	.157	.163	.177	.229	.246	.250	.274	.346	.362	.390	.400	.402	.418	.497	.503	.550	.565	.600	.637	.650	.670	.700	.725	.730	.750	
.000	-.2094	-.1535	.2121	.5332	.4991	.4664	.4614	-.0708																													
.010	-.1893	-.1330	.2019	.0447	-.0888	-.1376	-.0781																														
.020	-.1796	-.1185	.2066	.0453	-.0435	-.1607	-.2447	-.0553																													
.040		-.1112	.1316																																		
.050	-.1535			.0635	-.0795	-.1001	-.1475																														
.069				.0585																																	
.080																																					
.081			.0635																																		
.086		-.0620																																			
.094	-.1803																																				
.150				.0838	.0748	.0660	.0233																														
.157																																					
.163		.0922																																			
.177			.1194																																		
.229	-.1063																																				
.246		.0855																																			
.250				.1274	.0835	.0623	.0225																														
.274			.1622																																		
.346																																					
.362	.0000																																				
.390		.1867																																			
.400				.1514	.1341		.2419																														
.402			.1685																																		
.418																																					
.497	.1406																																				
.503																																					
.550				.1511	.2415																																
.565			.1097																																		
.600																																					
.637		.1097																																			
.650																																					
.670																																					
.700	.0949																																				
.725				-.0811																																	
.730																																					
.750																																					

-.0421 -.0838

-.5316

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL20)

ALPHA(1) = .032 BETA(6) = 4.116

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.2315						
.775				-.1583	-.1586				
.798		-.2533							
.808			-.3246						
.834	-.2795								
.839		-.2923							
.850				-.3661	-.2863	-.2463			
.857			-.3759						
.862								-.2856	
.865	-.2987								
.879		-.3390							
.900	-.2950			-.4519			-.2930		
.905			-.4515						
.919		-.3598							
.950				-.5099	-.3761	-.3687			
.953			-.4649						
.955		-.3786							
.965	-.3604								
1.000			-.2399	-.4140		-.3798			

ALPHA(1) = .044 BETA(7) = 6.175

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2853	-.1589	.2008	.5117	.4640	.4191	.4115	-.0585	
.010	-.2658	-.1611	.1985	.1364	-.0754	-.1410	-.1041		
.020	-.2412	-.1406	.1829	.1300	-.0373	-.1472	-.2401	-.0437	
.040		-.1261	.1217						
.050	-.1856			.0618	-.0612	-.0918	-.1478		
.069								-.0560	
.080				.0415					
.081			.0689						
.086		-.0842							
.094	-.2369								
.150				.0956	.0599	.0422	.0484		
.157								.0393	
.163		.1106							
.177			.1235						
.229	-.1259								
.246		.0761							
.250				.1220	.0879	.0679	.0378		
.274			.1451						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL20)

ALPHA0 (1) = .044 BETA0 (7) = 6.175

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CW										
.345								.0533		
.362	.0000									
.390		.1736								
.400				.1398	.1247		.2264			
.402			.1644							
.418										
.497	.1389									-.2528
.503								.0000		
.550				.0848	.1687					
.565			.0839							
.600							.0588			
.637		.0848								
.650						.0502				
.670								-.0588		
.700	.0136				-.0362					
.725				-.1375						
.730										-.5279
.750						-.0750	-.1133			
.760			-.2487							
.775				-.2045	-.1946					
.798		-.2230								
.808			-.2921							
.834	-.2723									
.839		-.2808								
.850				-.3708	-.2792	-.2742				
.857			-.3592							
.862								-.3109		
.865	-.2873									
.879		-.3090								
.900	-.2583			-.4323			-.3158			
.905			-.4054							
.919		-.3300								
.950				-.4224	-.4096	-.3928				
.953			-.3948							
.955		-.3297								
.965	-.3244									
1.000			-.1725		-.3757		-.3676			

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL21) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.250 RN/FT = 2.250
 ELV-1B = .000 ELV-0B = .000
 RUDDER = .000 SPOBRK = .000

ALPHA(1) = .038 BETA(1) = -6.160

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0120	-.0939	.4124	.7102	.6977	.6660	.6940	.1494	
.010	-.0089	.0048	.2957	-.0703	-.0620	-.0859	.0996		
.020	-.0522	.0183	.2123	-.0923	-.0268	-.0960	-.0195	.1761	
.040		.0051	-.0045						
.050	-.0105			.0248	-.0757	.0039	.0809		
.069								.1377	
.080				.1397					
.081			.0868						
.086		-.0549							
.094	-.0876								
.150				.1459	.2515	.2669	.2238		
.157								.1335	
.163		.0286							
.177			.2369						
.229	.0258								
.246		.0239							
.250				.2969	.3286	.3065	.2211		
.274			.2676						
.345								.0844	
.362	.0000								
.390		.3156							
.400				.4177	.3844		.2328		
.402			.4228						
.418									-.1806
.497	.2872								
.503								.0000	
.550				.3615	.2732				
.565			.4141						
.600							.0552		
.637		.4405							
.650					.0733				
.670								-.0755	
.700	.5078				.0206				
.725				-.0044					
.730									-.5635
.750						-.0598	-.1263		
.760		-.1185							
.775			-.1058	-.1437					

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(RETL21)

DEPENDENT VARIABLE CP

X/CW

DEPENDENT VARIABLE CP

X/CW

.000	-.0430	-.0739	.3663	.6666	.6600	.6247	.6476	.1167
.010	-.0515	.0055	.2523	-.0997	-.1052	-.1117	.0573	
.020	-.0892	-.0361	.1713	-.1318	-.0524	-.1568	-.0377	.1459
.040		-.0465	-.0387					
.050	-.0336			.0139	-.0687	-.0604	.0618	
.069								.1116
.080				.1359				
.081			.0346					
.086		-.0936						
.094	-.1306							
.150				.1470	.1451	.2838	.2019	
.157								.1104
.163		.0030						
.177			.2238					
.229	-.0177							
.246		.0406						
.250				.2395	.3098	.2956	.2021	
.274			.2482					
.345								.0631
.362	.0000							

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL211)

ALPHA(1) = .045 BETA(2) = -4.114

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CH										
.390		.2963								
.400				.3908	.3659		.2151			
.402			.3814							
.418										
.497	.2670									
.503										
.550				.3411	.2521			.0000		
.565			.3814							
.600							.0361			
.637		.3995								
.50						.0526				
.670										
.700	.4438				-.0011			-.0760		
.725				-.0274						
.730										
.750						-.0799	-.1426			-.6043
.760			-.1434							
.775				-.1243	-.1647					
.798		-.2486								
.808			-.3445							
.834	-.3460									
.839		-.4365								
.850				-.3902	-.3422	-.3010				
.857			-.4908							
.862										
.865	-.3240							-.3284		
.879		-.4688								
.900	-.3588			-.5028				-.3521		
.905			-.6102							
.919		-.4995								
.950				-.5938	-.4179	-.4478				
.953			-.6099							
.955		-.5414								
.965	-.5370									
1.000			-.3685		-.3990		-.4813			

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LAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 [A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL21)

ALPHA0(1) = .047 BETA0 (3) = -2.070

[illegible]

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL21)

ALPHA0(1) = .047 BETA0 (3) = -2.070

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.3320								
.879		-.4466							
.900	-.3709			-.5162			-.3622		
.905			-.6076						
.919		-.4956							
.950				-.6017	-.4308	-.4513			
.953			-.5533						
.955		-.5307							
.965	-.5325								
1.000			-.3545		-.4270		-.4579		

ALPHA0(1) = .054 BETA0 (4) = -.008

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1519	-.1711	.3613	.6132	.5744	.5412	.5346	.0708	
.010	-.1517	-.0626	.3322	.0934	-.0748	-.1424	-.0818		
.020	-.1772	-.0894	.2785	.0504	-.0483	-.1880	-.2432	.0978	
.040		-.1026	.1316						
.050	-.0780			.0132	-.0983	-.1027	-.1206		
.069								.0721	
.080				.0504					
.081			.1953						
.086		.0133							
.094	-.1651								
.150				.1027	.0914	.0595	.2425		
.157								.0686	
.163		.1764							
.177			.1293						
.229	-.0710								
.246		.1481							
.250				.1535	.1137	.2910	.2013		
.274			.1812						
.345								.0121	
.362	.0000								
.390		.2167							
.400				.2794	.3314		.1845		
.402			.2346						
.418									-.2936
.497	.1922								
.503								.0000	
.550				.2731	.2149				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1163

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL21)

ALPHA0(1) = .054 BETAO(4) = -.008

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.565			.2477						
.600							.0003		
.637		.2417							
.650						.0170			
.670								-.0901	
.700	.2605				-.0454				
.725				-.0786					
.730									-.6452
.750						-.1158	-.1749		
.760			-.2154						
.775				-.1744	-.2101				
.798		-.3051							
.808			-.3992						
.834	-.3094								
.839		-.4228							
.850				-.4375	-.3276	-.3403			
.857			-.5202						
.862								-.3648	
.865	-.3320								
.879		-.4640							
.900	-.3692			-.5454			-.3879		
.905			-.6025						
.919		-.5154							
.950				-.5645	-.4729	-.4753			
.953			-.4034						
.955		-.4751							
.965	-.5184								
1.000			-.3297		-.4492		-.4311		

ALPHA0(1) = .082 BETAO(5) = 2.056

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.000	-.2166	-.1432	.3456	.5803	.5227	.4971	.4938	.0538	
.010	-.2071	-.1216	.3407	.1118	-.0608	-.1327	-.0910		
.020	-.2155	-.1116	.2985	.0687	-.0383	-.1472	-.2415	.0852	
.040		-.0877	.1969						
.050	-.1008			.0379	-.0723	-.0918	-.1227		
.069								.0595	
.080				.0552					
.081			.1323						
.086		.0658							

IABIA - PRESSURE SOURCE DATA TABULATION

ARC11-019 1A9: LVAP(ELHL SEALED) LEFT WING BOT.

ALPHA0(1) = .082 BETA0 (5) = 2.056

DEPENDENT VARIABLE CP

X/CW

.094	- .1909					
.150			.0844	.0653	.0535	.1921
.157						.0474
.163	.1771					
.177		.1329				
.229	- .1569					
.246	.1379					
.250			.1256	.0987	.1619	.1977
.274		.1524				
.345						- .0103
.362	.0000					
.390	.1638					
.400			.1844	.2820		.1667
.402		.1780				
.418						- .3332
.497	.1661					
.503						.0000
.550			.1986	.1743		
.565		.1598				
.600					- .0239	
.637	.1420					
.650				- .0092		- .1019
.670						
.700	.1368		- .0827			
.725		- .1395				
.730						- .6769
.750				- .1411	- .1951	
.760		- .2694				
.775		- .2335	- .2461			
.798	- .3259					
.808		- .4234				
.834	- .3072					
.839	- .3794					
.850			- .4699	- .3349	- .3607	
.857		- .4876				
.862						- .3880
.865	- .3324					
.879	- .4234					
.900	- .3212		- .5694		- .4072	
.905		- .5675				
.919	- .4373					
.950		- .3367	- .5122	- .4907		
.953		- .3681				
.955	- .4335					
.965	- .4319					

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL21)

ALPHA(1) = .082 BETA(5) = 2.056

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			-.2502		-.4199		-.3685		

X/CW
1.000

-.2502

-.4199

-.3685

ALPHA(1) = .087 BETA(6) = 4.111

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2915	-.1533	.2956	.5489	.4913	.4660	.5196	.0057	
.010	-.2756	-.1294	.3118	.5573	-.0442	-.1045	.0558		
.020	-.2430	-.0699	.2881	.5120	-.0274	-.1067	.0047	.0384	
.040		-.0347	.2065						
.050	-.1693			.0851	-.0509	-.0550	.0825		
.069								.0213	
.080				.0886					
.081			.1293						
.086		.0820							
.094	-.2022								
.150				.1135	.0808	.2422	.1590		
.157								.0102	
.163		.1683							
.177			.1428						
.229	-.1511								
.246		.1342							
.250				.1491	.1219	.2098	.1232		
.274			.1562						
.345								-.0362	
.362	.0000								
.390		.1926							
.400				.1966	.2438		.1283		
.402			.1712						
.418									-.3680
.497	.1684								
.503								.0000	
.550			.1117	.1713	.1344				
.565									
.600							-.0511		
.637		.0999							
.650					-.0413				
.670								-.1282	
.700	.0826			-.1168					
.725			-.1640						
.730									-.6924
.750					-.1683	-.2165			

X/CW

.000

.010

.020

.040

.050

.069

.080

.081

.086

.094

.150

.157

.163

.177

.229

.246

.250

.274

.345

.362

.390

.400

.402

.418

.497

.503

.550

.565

.600

.637

.650

.670

.700

.725

.730

.750

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TABLE - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RCTL21)

ALPHA0(1) = .087 BETA0 (6) = 4.111

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760		- .2775			
.775			- .2483	- .2785	
.790		- .2531			
.800			- .3786		
.834	- .2902				
.839		- .3454			
.850			- .4830	- .3301	- .3848
.857		- .4522			
.862					- .4070
.865	- .3217				
.879		- .3667			
.900	- .2946		- .5594		- .4276
.905			- .4894		
.919		- .3816			
.950			- .2991	- .5457	- .5092
.953		- .3575			
.955		- .3403			
.965	- .3783				
1.000		- .1607		- .3437	- .2911

ALPHA0(1) = .091 BETA0 (7) = 6.170

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW:

.000	-.3684	-.1403	.2649	.5698	.4791	.4464	.4402	-.0099
.010	-.3360	-.1261	.3087	.1984	-.0364	-.1183	-.0679	
.020	-.2658	-.0706	.3135	.1406	-.0221	-.1020	-.1563	.0176
.040		-.0390	.2396					
.050	-.2182			.1007	-.0338	-.0532	-.0577	
.069								.0037
.080				.1007				
.081			.1875					
.086		.0781						
.094	-.2469							
.150				.1221	.0917	.0849	.1325	
.157								-.0046
.163		.1651						
.177			.1635					
.229	-.0821							
.246		.1595						
.250				.1441	.1105	.1182	.1383	
.274			.1728					

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

{RETL21}

ALPHAO(1) = .091 BETA0 (7) = 6.170

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.0676	
.362	.0000								
.390		.2019							
.400				.1500	.1933		.1130		
.402			.1757						
.418									-.4038
.497	.1784								
.503								.0000	
.550				.0941	.1052				
.565			.0727						
.600							-.0758		
.637		.0693							
.650						-.0688			
.670								-.1392	
.700	.0282				-.1489				
.725				-.2166					
.730									-.6991
.750						-.1959	-.2390		
.760			-.2565						
.775				-.2867	-.3072				
.798		-.2452							
.808			-.3592						
.834	-.2801								
.839		-.3132							
.850				-.4575	-.3680	-.4086			
.857			-.4049						
.862								-.4307	
.865	-.3037								
.879		-.3446							
.900	-.2795			-.5312			-.4490		
.905			-.4365						
.919		-.3572							
.950				-.3221	-.5326	-.5319			
.953			-.3384						
.955		-.3142							
.965	-.3632								
1.000			-.1523		-.2959		-.2941		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL22) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 2.250
 ELV-1B = .000 ELV-OB = .000
 RUDDER = .000 SPDBRK = .000

ALPHA(1) = .039 BETA(1) = -6.151

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0911	-.0330	.5311	.7230	.6986	.6882	.6579	.0825	
.010	-.1195	-.0378	.4714	.1546	.0871	.1615	.2241		
.020	-.1188	-.0704	.3910	.0629	.0993	.1180	.0900	.1199	
.040		.0519	.2402						
.050	-.0564			.1030	.1078	.1354	.1227		
.069								.0582	
.080				.1369					
.081			.1735						
.086		.2640							
.094	-.2009								
.150				.2276	.2532	.2237	.1521		
.157								.0410	
.163		.2612							
.177			.2154						
.229	-.1185								
.246		.2026							
.250				.3009	.2759	.2366	.1418		
.274			.2947						
.345								-.0271	
.362	.0000								
.390		.3277							
.400				.3441	.2842		.1233		
.402			.3788						
.418									-.3602
.497	.2965								
.503								.0000	
.550				.2453	.1434				
.565			.3144						
.600							-.0862		
.637		.3472							
.650						-.0773			
.670								-.1587	
.700	.4427			-.1446					
.725			-.1724						
.730									-.7779
.750					-.2323	-.2794			
.760			-.2913						
.775				-.2883	-.3206				

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TABLE A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL22)

ALPHA0(1) = .039 BETA0 (1) = -6.151

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/GW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.798		-.4056				
.808			-.5248			
.834	-.3233					
.839		-.4808				
.850			-.5741	-.3886	-.4654	
.857		-.6699				
.862						-.4597
.865	-.3938					
.879		-.5442				
.900	-.4515		-.6843			-.5111
.905		-.3826				
.919		-.5675				
.950			-.3691	-.6414	-.6087	
.953		-.3379				
.955		-.3263				
.965	-.4509					
1.000		-.3052	-.3776			-.2612

ALPHA0(1) = .042 BETA0 (2) = -4.101

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1289	-.0443	.5000	.6946	.6655	.6529	.6261	.0466
.010	-.1427	-.0418	.4478	.1252	.0335	.1032	.1722	
.020	-.0825	.0229	.3721	.0358	.0571	.0640	.0482	.0861
.040		.0661	.2225					
.050	-.0892			.0795	.0773	.1008	.0924	
.069								.0323
.080				.1139				
.081			.1574					
.086		.2318						
.094	-.1971							
.150				.2073	.2291	.2073	.1298	
.157								.0168
.163		.2469						
.177			.1957					
.229	-.1071							
.246		.1863						
.250				.2773	.2571	.2215	.1227	
.274			.2710					
.345								.0515
.362	.0000							

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1A81A - PRESSURE SOURCE DATA TABULATION

PAGE 1170

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL22)

ALPHA0(1) = .042 BETA0 (2) = -4.101

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.3062							
.400				.3263	.2722		.1139		
.402			.3562						
.418									-.3886
.497	.2709								
.503								.0000	
.550				.2333	.1334				
.565			.2951						
.600							-.0990		
.637		.3220							
.650						-.0879			
.670								-.1619	
.700	.3947				-.1537				
.725			-.1824						
.730									-.7963
.750						-.2383	-.2937		
.760			-.3023						
.77				-.2915	-.3286				
.7		-.4009							
.5			-.5281						
.3	-.3270								
.839		-.4560							
.850				-.5788	-.3807	-.4719			
.857			-.6479						
.862								-.4759	
.865	-.3675								
.879		-.5323							
.900	-.4501			-.6385			-.5207		
.905			-.4466						
.919		-.5954							
.950				-.3520	-.6699	-.6059			
.953			-.3577						
.955		-.3223							
.965	-.5375								
1.000			-.3139		-.3794		-.2621		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL22)

ALPHA0 (1) = .047 BETA0 (3) = -2.062

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1869	-.0759	.4634	.6516	.6113	.5994	.5825	.0109	
.010	-.1800	-.0094	.4199	.0817	-.0395	.0132	.1081		
.020	-.1053	.0207	.3554	.0043	-.0108	-.0002	-.0075	.0527	
.040		.0416	.2120						
.050	-.1262			.0410	.0152	.0456	.0525		
.069								.0049	
.080				.0707					
.081			.1355						
.096		.2141							
.094	-.1590								
.150				.1515	.1873	.1941	.1007		
.157								-.0106	
.163		.2302							
.177			.1569						
.229	-.0305								
.246		.1575							
.250				.2340	.2255	.1948	.1039		
.274			.2232						
.345								-.0753	
.362	.0000								
.390		.2571							
.400				.2898	.2504		.0887		
.402			.3068						
.418									-.4200
.497	.2243								
.503								.0000	
.550				.2059	.1149				
.565		.2510							
.600							-.1164		
.637		.2656							
.650						-.1076			
.678								-.1700	
.700	.3218				-.1735				
.725				-.2048					
.730									-.8162
.750						-.2557	-.3131		
.760			-.3242						
.775				-.3136	-.3508				
.798	-.4006								
.808			-.5376						
.834	-.3384								
.839		-.4565							
.850				-.5964	-.3997	-.4923			
.857			-.6293						
.862								-.5017	

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL22)

ALPHA(1) = .047 BETA(3) = -2.062

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.3753								
.879		-.5420							
.900	-.4528			-.5826				-.5409	
.905			-.5396						
.919		-.5924							
.950				-.3402	-.6868	-.6299			
.953			-.3714						
.955		-.3350							
.965	-.5412								
1.000			-.2997		-.3953		-.2970		

ALPHA(1) = .053 BETA(4) = -.007

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2448	-.0594	.4291	.6049	.5572	.5505	.5444	-.0162	
.010	-.1965	-.0189	.4015	.0815	-.0866	-.0641	.0646		
.020	-.1413	.0356	.3472	.0024	-.0529	-.0440	-.0517	.0252	
.040		.0736	.2116						
.050	-.1721			.0288	-.0404	.0094	.0242		
.069								-.0183	
.080				.0478					
.081			.1315						
.086		.2103							
.094	-.1806								
.150				.1025	.1478	.1675	.0778		
.157								-.0290	
.163		.2223							
.177			.1335						
.229	.0139								
.246		.1474							
.250				.1829	.1897	.1729	.0896		
.274			.1729						
.345								-.0971	
.362	.0000								
.390		.2060							
.400				.2430	.2267		.0711		
.402			.2364						
.418									-.4308
.497	.1819								
.503								.0000	
.550				.1706	.0947				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAG1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL22)

ALPHA0(1) = .053 BETA0 (4) = -.007

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565			.1821						
.600							-.1359		
.637		.1811							
.650						-.1262			
.670								-.1794	
.700	.2202				-.1944				
.725				-.2311					
.730	-								-.8168
.750						-.2739	-.3304		
.760				-.3532					
.775				-.3392	-.3742				
.798		-.4083							
.808			-.5515						
.834	-.3459								
.839		-.4834							
.850				-.6231	-.4310	-.5109			
.857			-.6341						
.862								-.5169	
.865	-.3872								
.879		-.5594							
.900	-.4349			-.5170			-.5590		
.905			-.5807						
.919		-.5793							
.950				-.3430	-.6983	-.6555			
.953			-.3970						
.955		-.3255							
.965	-.5028								
1.000			-.3022		-.4106		-.3129		

ALPHA0(1) = .079 BETA0 (5) = 2.058

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.3010	-.0667	.3954	.5753	.5162	.5062	.5114	-.0421	
.010	-.2447	-.0346	.3891	.1021	-.0721	-.0710	.0411		
.020	-.1908	.0536	.3478	.0267	-.0496	-.0523	-.0599	-.0024	
.040		.0949	.2267						
.050	-.2186			.0430	-.0307	-.0106	.0121		
.069								-.0364	
.080				.0570					
.081			.1439						
.086		.2077							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL22)

ALPHA0(1) = .079 BETA0(5) = 2.058

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			-.2003		-.3602		-.3816		

ALPHA0(1) = .083 BETA0(6) = 4.107

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.3592	-.0490	.3481	.5591	.4876	.4746	.4719	-.0799	
.010	-.3147	-.0395	.3593	.1201	-.0601	-.0644	.0207		
.020	-.2742	.0499	.3311	.0437	-.0395	-.0477	-.0694	-.0392	
.040		.0828	.2305						
.050	-.2665			.0611	-.0280	-.0135	.0031		
.069								-.0716	
.080				.0701					
.081			.1540						
.086		.1849							
.094	-.2191								
.150				.1061	.1142	.1173	.0379		
.157								-.0854	
.163		.2154							
.177			.1411						
.229	.0322								
.246		.1560							
.250				.1435	.1277	.1264	.0347		
.274			.1543						
.345								-.1488	
.362	.0000								
.390		.1866							
.400				.1491	.1527		.0182		
.402			.1618						
.418								-.4813	
.497	.1745								
.503								.0000	
.550				.0521	.0083				
.565			.0428						
.600							-.1889		
.637		.0362							
.650					-.1854				
.670							-.2114		
.700	.0494			-.2690					
.725			-.3229						
.730								-.7423	
.750				-.3295	-.3754				

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL22)

ALPHA0(1) = .083 BETA0 (6) = 4.107

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.760				-.3456					
.775					-.4053	-.4469			
.798			-.3198						
.808				-.4737					
.834	-.3388								
.839			-.4005						
.850					-.6112	-.5618	-.5647		
.857				-.4988					
.862									-.5570
.865	-.3828								
.879			-.4133						
.900	-.3388				-.6203			-.6017	
.905				-.5182					
.919			-.4160						
.950					-.3278	-.3300	-.7057		
.953				-.3113					
.955			-.3349						
.965	-.4046								
1.000				-.1560		-.2902		-.4435	

ALPHA0(1) = .090 BETA0 (7) = 6.163

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.000	-.4439	-.0164	.2975	.5124	.4542	.4308	.4269	-.1040	
.010	-.4057	-.0137	.3157	.1227	-.0638	-.0890	-.0138		
.020	-.3617	.0486	.2935	.0546	-.0407	-.0578	-.0900	-.0709	
.040		.0672	.2048						
.050	-.3489			.0637	-.0279	-.0276	-.0128		
.069								-.1003	
.080				.0734					
.081			.1489						
.086		.1491							
.094	-.2016								
.150				.1089	.0995	.0958	.0176		
.157								-.1144	
.163		.1767							
.177			.1438						
.229	.0419								
.246		.1475							
.250				.1324	.1019	.1040	.0059		
.274			.1520						

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL22)

ALPHA0 (1) = .090 BETA0 (7) = 6.163

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CN									
.345								-.1780	
.362	.0000								
.390		.1789							
.400				.1143	.1155		-.0134		
.402			.1452						
.418									-.4683
.497	.1664								
.503								.0000	
.550				-.0051	-.0390				
.565			.0105						
.600							-.2182		
.637		.0019							
.650						-.2227			
.670								-.2334	
.700	-.0093				-.3049				
.725				-.3366					
.730									-.6730
.750						-.3625	-.4010		
.760			-.3271						
.775				-.3933	-.4564				
.790		-.3065							
.808			-.4318						
.834	-.3109								
.839		-.3707							
.850				-.5248	-.5336	-.5900			
.857			-.4448						
.862								-.5681	
.865	-.3539								
.879		-.3923							
.900	-.3210			-.5668			-.6274		
.905			-.4731						
.919		-.3934							
.950				-.2406	-.3600	-.7186			
.953			-.3060						
.955		-.3221							
.965	-.4098								
1.000			-.1703		-.2022		-.4473		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-D19 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL23) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.400 RN/FT = 2.250
 ELV-1B = .000 ELV-08 = .000
 RUDDER = .000 SPDBRK = .000

BETA0 (1) = .033 ALPHA0 (1) = -6.272

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0423	-.0919	.1399	.4389	.3755	.3405	.3603	-.2769	
.010	-.0475	-.1360	-.1520	-.3657	-.4824	-.3740	-.3758		
.020	-.0701	-.1035	-.2076	-.4812	-.5271	-.5338	-.5062	-.2676	
.040		-.0770	-.1405						
.050	-.1588			-.4634	-.5411	-.4920	-.4597		
.069								-.2438	
.080				-.4394					
.081			-.2048						
.086		-.1249							
.094	-.0766								
.150				-.2220	-.4989	-.4613	-.4486		
.157								-.2233	
.163		-.0455							
.177			-.1845						
.229	-.1024								
.246		-.0697							
.250				-.0660	-.2066	-.4093	-.3735		
.274			-.0750						
.345								-.2187	
.362	.0000								
.390		.0237							
.400				.0734	.0081		-.3041		
.402			.1094						
.418								-.1647	
.497	-.0447								
.503								.0000	
.550				.1539	.2026				
.565			.1368						
.600							-.2930		
.637		.1467							
.650						.0872			
.670							-.0543		
.700	.1383				.0176				
.725				-.0341					
.730								-.2132	
.750						-.0157	-.1200		
.760			-.1392						
.775				-.1154	-.1277				

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB: LVAP(ELHL SEALED) LEFT WING BOT.

(RETL23)

BETA0 (1) = .033 ALPHA0(1) = -6.272

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.798		-.2073							
.808			-.2815						
.834	-.2205								
.839		-.2521							
.850				-.3236	-.2134	-.2120			
.857			-.3626						
.862								-.3456	
.865	-.2645								
.879		-.3285							
.900	-.3151			-.4192			-.1825		
.905			-.4559						
.919		-.3925							
.950				-.4902	-.3436	-.3086			
.953			-.4945						
.955		-.4395							
.965	-.4206								
1.000			-.3364		-.3479		-.2766		

BETA0 (1) = .011 ALPHA0(2) = -4.160

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0500	-.0916	.1772	.4826	.4433	.4286	.4395	-.3502	
.010	-.0504	-.1199	-.0644	-.2731	-.4019	-.3092	-.2898		
.020	-.0712	-.0934	-.0869	-.3970	-.4441	-.4671	-.4733	-.3403	
.040		-.0692	-.0578						
.050	-.1637			-.3878	-.4664	-.4781	-.4931		
.069								-.2812	
.080				-.3511					
.081			-.1936						
.086		-.1042							
.094	-.0609								
.150				-.1713	-.4093	-.4352	-.4168		
.157								-.2309	
.163		-.0198							
.177			-.1558						
.229	-.1153								
.246		-.0493							
.259				.0591	-.0364	-.2146	-.3659		
.274			-.0038						
.345								-.2528	
.362	.0000								

ARC11-019 (A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL23)

BETAO (1) = .011 ALPHA(2) = -4.160

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.0920							
.400				.1432	.1148		-.1468		
.402			.1642						
.418									-.1213
.497	.0015								
.503								.0000	
.550				.2193	.2487				
.565			.1879						
.600							.0650		
.637		.2031							
.650						.1055			
.670								-.0246	
.700	.1891				.0512				
.725				.0009					
.730									-.2025
.750						.0065	-.0355		
.760			-.1243						
.775				-.0850	-.1035				
.798		-.2095							
.808			-.2817						
.834	-.2867								
.839		-.3345							
.850				-.3107	-.2316	-.1978			
.857			-.3934						
.862								-.1935	
.865	-.2805								
.879		-.3484							
.900	-.3252			-.4093			-.2064		
.905			-.4780						
.919		-.4163							
.950				-.4866	-.3289	-.3121			
.953			-.5080						
.955		-.4537							
.965	-.4140								
1.000			-.3622		-.3513		-.3103		

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL23)

BETA0 (1) = -.007 ALPHA0(3) = -2.069

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.0814	-.1152	.2003	.5376	.5067	.4886	.4886	-.2484	
.010	-.0654	-.1234	.1237	-.1891	-.3117	-.2499	-.2117		
.020	-.0806	-.0749	.1255	-.3075	-.3678	-.3929	-.4038	-.2274	
.040		-.0378	-.0270						
.050	-.1667			-.2588	-.3808	-.3429	-.3487		
.069								-.1798	
.080				-.2289					
.081			-.1686						
.086		-.0988							
.094	-.0607								
.150				-.1513	-.2956	-.2402	-.3028		
.157								-.1338	
.163		.0059							
.177			-.1159						
.229	-.1235								
.246		-.0117							
.250				.2111	.1596	-.1045	-.1665		
.274			.1262						
.345								-.0674	
.362	.0000								
.390		.1765							
.400				.2013	.1882		.1343		
.402			.2070						
.418								-.0709	
.497	.0968								
.503								.0000	
.550				.3036	.2950				
.565			.2307						
.600							.1529		
.637		.2394							
.650						.1346			
.670								-.0155	
.700	.2333				.0707				
.725				.0297					
.730								-.2849	
.750						.0215	-.0214		
.760			-.1091						
.775				-.0573	-.0876				
.798		-.1931							
.808			-.2722						
.834	-.2792								
.839		-.3397							
.850				-.2978	-.2478	-.1928			
.857			-.3883						
.862								-.1904	

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ARC11-019 IA81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL23)

BETA0 (1) = -.007 ALPHA0(3) = -2.069

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.865	-.2858								
	.879		-.3594							
	.900	-.3221			-.3994			-.2135		
	.905			-.4831						
	.919		-.4242							
	.950				-.4772	-.3223	-.3202			
	.953			-.5190						
	.955		-.4631							
	.965	-.4091								
	1.000			-.3777		-.3392		-.3420		

BETA0 (1) = -.022 ALPHA0(4) = .024

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.000	-.0660	-.1518	.2981	.5662	.5571	.5359	.5499	-.0683	
	.010	-.0593	-.1360	.2364	-.1242	-.2383	-.1901	-.0862		
	.020	-.0770	-.0351	.1812	-.2347	-.2759	-.2584	-.3010	-.0566	
	.040		-.0200	.0014						
	.050	-.1454			-.1380	-.2191	-.1975	-.2158		
	.069								-.0389	
	.080				-.0904					
	.081			-.1099						
	.086		-.0957							
	.094	-.0751								
	.150				-.0355	.0810	.0176	-.0816		
	.157								.0564	
	.163		.0260							
	.177			-.0694						
	.229	-.0907								
	.246		.0268							
	.250				.2166	.1608	.1097	.0555		
	.274			.2093						
	.345								.1586	
	.362	.0000								
	.390		.2224							
	.400				.2286	.2436		.3057		
	.402			.2420						
	.418									-.1558
	.497	.1526								
	.503								.0000	
	.550				.3302	.3177				

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL23)

BETA0 (1) = -.022 ALPHA0(4) = .024

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.2670						
.600							.1487		
.637		.2666							
.650						.1466			
.670									
.700	.2698				.0794				
.725				.0265					
.730									
.750						.0263	-.0374		
.760			-.0981						
.775				-.0643	-.0819				
.798		-.1879							
.808			-.2610						
.834	-.2933								
.839		-.3449							
.850				-.2967	-.2602	-.1928			
.857			-.3836						
.862									
.865	-.2852								
.879		-.3761							
.900	-.3309			-.3985					
.905			-.4856						
.919		-.4249							
.950				-.4782	-.3491	-.3308			
.953			-.5271						
.955		-.4703							
.965	-.4159								
1.000			-.3926		-.3232		-.3816		

BETA0 (1) = -.018 ALPHA0(5) = 2.134

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0683	-.2049	.2941	.6113	.6136	.6106	.5910	.0796	
.010	-.0561	-.1063	.2732	.0829	-.0241	.0580	.1109		
.020	-.0710	-.0423	.2210	.0482	.0097	.0151	-.0338	.1074	
.040		-.0477	.0436						
.050	-.0402			-.0345	.0539	.0773	.0216		
.069									
.080				.0178					
.081			.1298						
.086		-.0754							

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL23)

BETA0 (1) = -.018 ALPHA0(5) = 2.134

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000									

X/CW
1.000

-.3909

-.3028

-.4320

BETA0 (1) = -.008 ALPHA0(5) = 4.218

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000									

X/CW

.000 -.0840 -.1778 .2718 .6513 .6539 .6304 .5908 .0369

.010 -.0632 -.1258 .2991 .3563 .2810 .3013 .3360

.020 -.0694 -.0880 .2832 .2759 .2543 .2441 .2137 .1295

.040 -.0820 .2716

.050 .0483 .1942 .1756 .2044 .2134

.069 .1525

.080 .1770

.081 .1685

.086 .0480

.094 -.0766

.150 .2289 .2129 .2112 .2249

.157 .1608

.163 .0628

.177 .1563

.229 .0182

.246 .2043

.250 .2381 .2064 .2403 .2680

.274 .2534

.345 .1103

.362 .0000

.390 .2804

.400 .2873 .3490 .3306

.402 .2800

.418 .2457

.497 .2457

.503 .0000

.550 .2797

.565 .3290 .3278

.600 .1218

.637 .2842

.650 .1434

.670 .0524

.700 .2873

.725 .0260

.730 .0180 -.0421

.750 -.6557

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL23)

BETA0 (1) = -.008 ALPHA0(6) = 4.218

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.1216						
.775				-.0658	-.0846				
.798		-.2033							
.808			-.2808						
.834	-.2646								
.839		-.3314							
.850				-.2996	-.2867	-.1996			
.857			-.3961						
.862								-.2554	
.865	-.2730								
.879		-.3587							
.900	-.2938			-.4003				-.2522	
.905			-.4866						
.919		-.3946							
.950				-.4815	-.3743	-.3353			
.953			-.5135						
.955		-.4193							
.965	-.3989								
1.000			-.3362		-.3599		-.4775		

BETA0 (1) = -.002 ALPHA0(7) = 5.273

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.0968	-.2041	.2927	.6470	.6547	.6321	.5852	-.0233	
.010	-.0570	-.1540	.4068	.4218	.3673	.4127	.4249		
.020	-.0393	-.0939	.4093	.3227	.3251	.3380	.3082	.1014	
.040		-.0812	.3038						
.050	.0408			.2276	.2315	.2658	.2908		
.069								.1369	
.080				.2233					
.081			.2314						
.086		.0861							
.094	-.0430								
.150				.2374	.2445	.2537	.2788		
.157								.1496	
.163		.2556							
.177			.2043						
.229	.0106								
.246		.2152							
.250				.2445	.2417	.2766	.2879		
.274			.2576						

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL23)

BETA0 (1) = -.002 ALPHA0(7) = 5.273

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								.1144	
.362	.0000								
.390		.2887							
.400				.2893	.3445		.3089		
.402			.2926						
.418									-.5084
.497	.2484								
.503								.0000	
.550				.2991	.3104				
.565			.2707						
.600							.1274		
.637		.2853							
.650						.1407			
.670								-.0545	
.700	.2872				.0716				
.725				.0168					
.730									-.6660
.750						.0191	-.0326		
.760			-.1306						
.775				-.0743	-.0884				
.798		-.2114							
.808			-.2838						
.834	-.2423								
.839		-.3163							
.850				-.2966	-.2866	-.1991			
.857			-.3939						
.862								-.2507	
.865	-.2572								
.879		-.3351							
.900	-.2799			-.3965			-.2457		
.905			-.4679						
.919		-.3675							
.950				-.4765	-.3963	-.3316			
.953			-.4910						
.955		-.3851							
.965	-.3926								
1.000			-.2841		-.3610		-.4734		

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1188

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL24) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.250 RN/FT = 2.250
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPDBRK = .000

BETA0 (1) = .028 ALPHA0 (1) = -6.248

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1201	-.2029	.1839	.4565	.3945	.3462	.3589	-.3054	
.010	-.1448	-.2711	-.0782	-.4456	-.5842	-.4731	-.4745		
.020	-.1776	-.1690	-.1207	-.5349	-.5835	-.5846	-.5482	-.2899	
.040		-.1496	-.2249						
.050	-.2796			-.4578	-.5387	-.5499	-.5272		
.069								-.2699	
.080				-.1284					
.081			-.0923						
.086		-.2065							
.094	-.1556								
.150				-.1033	-.2750	-.4511	-.5225		
.157								-.2436	
.163		-.0382							
.177			.0196						
.229	-.1476								
.246		-.0001							
.250				.0105	-.0825	-.3752	-.4331		
.274			.0608						
.345								-.2465	
.362	.0000								
.390		.1142							
.400				.0413	.0129		-.3162		
.402			.0714						
.418									-.1834
.497	.1013								
.503								.0000	
.550				.1492	.1402				
.565			.1174						
.600						.0393			
.637		.1272							
.650						-.0086			
.670								-.1061	
.700	.1341				-.0822				
.725			-.1347						
.730									-.2569
.750						-.1156	-.1216		
.760			-.2374						
.775				-.2224	-.2428				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1189

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL24)

BETA0 (1) = .028 ALPHA0(1) = -6.248

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2930	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.798		-.2747							
.808			-.3825						
.834	-.2821								
.839		-.3305							
.850				-.4517	-.3055	-.3355			
.857			-.4457						
.862								-.3350	
.865	-.3140								
.879		-.4201							
.900	-.3612			-.5508			-.3381		
.905			-.5522						
.919		-.4664							
.950				-.4714	-.4907	-.4469			
.953			-.5576						
.955		-.4863							
.965	-.5104								
1.000			-.2821	-.4063			-.2047		

BETA0 (1) = .001 ALPHA0(2) = -4.131

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1356	-.1880	.2217	.5201	.4606	.4151	.4246	-.2941	
.010	-.1520	-.1929	.0291	-.3325	-.4684	-.4150	-.3899		
.020	-.1810	-.1389	.0177	-.3293	-.5158	-.5743	-.5925	-.2694	
.040		-.1227	-.0340						
.050	-.2793			-.1213	-.4366	-.5071	-.5089		
.069				-.0848				-.2141	
.080									
.081			-.0577						
.086		-.1935							
.094	-.1613								
.150				-.0618	-.0867	-.2785	-.4678		
.157								-.1754	
.163		.0311							
.177			.0262						
.229	-.1389								
.246		.0755							
.250				.0376	-.0348	-.1117	-.3189		
.274			.0879						
.345								-.2774	
.362	.0000								

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL24)

BETA0 (1) = .001 ALPHA0(2) = -4.131

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.1379							
.400				.0921	.1395		.1328		
.402			.1097						
.418									-.1366
.497	.1223								
.503								.0000	
.550				.1946	.1748				
.565			.1615						
.600							.0422		
.637		.1643							
.650						.0110			
.670								-.0782	
.700	.1714				-.0607				
.725				-.1155					
.730									-.2607
.750						-.1113	-.1499		
.760			-.2244						
.775				-.2091	-.2263				
.798		-.2749							
.808			-.3841						
.834	-.2649								
.839		-.3273							
.850				-.4409	-.2821	-.3310			
.857			-.4475						
.862								-.2934	
.865	-.3105								
.879		-.4173							
.900	-.3536			-.5462			-.3491		
.905			-.5503						
.919		-.4693							
.950				-.4664	-.4956	-.4512			
.953			-.5103						
.955		-.4903							
.965	-.4991								
1.000			-.2814		-.4347		-.1833		

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TABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1191

ARC11-019 (A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL24)

BETA0 (1) = -.012 ALPHA0(3) = -2.038

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1426	-.1826	.2778	.5806	.5115	.4772	.4808	-.0654	
.010	-.1524	-.1322	.1924	-.1175	-.3512	-.3354	-.2783		
.020	-.1805	-.0811	.1972	-.0923	-.3101	-.4381	-.4920	-.0530	
.040		-.0967	.0681						
.050	-.2699			-.0766	-.2675	-.3596	-.3970		
.069								-.0152	
.080				-.0772					
.081			.0610						
.086		-.1325							
.094	-.1575								
.150				.0517	-.0099	-.0388	-.2011		
.157								-.0797	
.163		.1167							
.177			.0453						
.229	-.1119								
.246		.1026							
.250				.0989	.0220	-.0124	.1124		
.274			.1187						
.345								.0578	
.362	.0000								
.390		.1704							
.400				.1826	.2808		.2077		
.402			.1632						
.418									-.1837
.497	.1517								
.503								.0000	
.550				.2370	.2017				
.566			.2090						
.600							.0168		
.637		.2068							
.650						.0219			
.670								-.0787	
.700	.2162			-.0495					
.725			-.1018						
.730									-.4817
.750					-.1125	-.1702			
.760			-.2218						
.775				-.1980	-.2159				
.798		-.3104							
.808			-.4032						
.834	-.3088								
.839		-.3919							
.850			-.4421	-.3001	-.3361				
.857			-.5092						
.862								-.3397	

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL24)

BETA0 (1) = -.012 ALPHA0(3) = -2.038

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.865	-.3235								
	.879		-.4505							
	.900	-.3713			-.5497			-.3792		
	.905			-.5819						
	.919		-.4981							
	.950				-.5404	-.4904	-.4672			
	.953			-.4070						
	.955		-.5136							
	.965	-.5172								
	1.000			-.3195		-.4589		-.2963		

BETA0 (1) = -.024 ALPHA0(4) = .059

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.000	-.1510	-.1685	.3607	.6167	.5742	.5400	.5359	.0738	
	.010	-.1573	-.0622	.3319	.0845	-.0799	-.1397	-.0872		
	.020	-.1790	-.0916	.2807	.0436	-.0453	-.1655	-.2438	.1027	
	.040		-.1020	.1335						
	.050	-.0738			.0068	-.0993	-.1025	-.1231		
	.069								.0754	
	.080				.0442					
	.081			.1943						
	.086		.0086							
	.094	-.1681								
	.150				.0921	.0940	.0627	.2429		
	.157								.0732	
	.163		.1767							
	.177			.1290						
	.229	-.0751								
	.246		.1487							
	.250				.1462	.1172	.2958	.2044		
	.274			.1837						
	.345								.0158	
	.362	.0000								
	.390		.2181							
	.400				.2671	.3321		.1886		
	.402			.2353						
	.418									
	.497	.1908								-.2819
	.503								.0000	
	.550				.2643	.2178				

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1193

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL24)

BETA0 (1) = -.024 ALPHA0(4) = .059

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.2481						
.600							.0050		
.637		.2441							
.650						.0189			
.670								-.0845	
.700	.2603				-.0426				
.725				-.0876					
.730									-.6388
.750					-.1155	-.1710			
.760			-.2122						
.775				-.1878	-.2089				
.798		-.3007							
.808			-.3970						
.834	-.3071								
.839		-.4148							
.850				-.4336	-.3245	-.3384			
.857			-.5171						
.862								-.3610	
.865	-.3317								
.879		-.4557							
.900	-.3680			-.5407			-.3828		
.905			-.5958						
.919		-.5112							
.950				-.5627	-.4684	-.4743			
.953			-.4027						
.955		-.4751							
.965	-.5192								
1.000			-.3249		-.4457		-.4262		

BETA0 (1) = -.019 ALPHA0(5) = 2.162

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1728	-.1446	.3430	.6331	.6078	.5869	.5908	.0113	
.010	-.1561	-.1272	.3684	.2611	.1388	.1296	.2768		
.020	-.1305	-.1204	.3479	.1693	.1229	.0893	.1778	.0837	
.040		-.1107	.2554						
.050	-.0436			.1467	.0646	.0830	.2111		
.069								.0830	
.080				.1357					
.081			.1802						
.086		.0633							

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL24)

BETA0 (1) = -.019 ALPHA0(5) = 2.162

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8670	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	- .1461					
.150			.1574	.1451	.2168	.2228
.157						.0694
.163		.1944				
.177			.1841			
.229	- .0912					
.246		.1741				
.250			.1973	.2571	.3044	.2017
.274			.2148			
.345						.0212
.362	.0000					
.390		.2425				
.400			.3099	.3378		.1976
.402			.2724			
.418						
.497	.2193					-.4723
.503						.0000
.550			.2737	.2181		
.565		.2615				
.500					.0072	
.637		.2600				
.650					.0241	
.670						-.0947
.700	.2780			-.0404		
.725			-.0806			
.730						-.7721
.750					-.1102	-.1657
.760		-.2125				
.775			-.1819	-.2067		
.798	-.3052					
.808		-.3978				
.834	-.3125					
.839		-.4174				
.850			-.4334	-.3538	-.3343	
.857		-.5182				
.862						-.3712
.865	-.3355					
.879		-.4525				
.900	-.3665		-.5403			-.3809
.905		-.5995				
.919	-.4937					
.950			-.5040	-.4486	-.4733	
.953		-.3885				
.955		-.4586				
.965	-.5045					

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1195

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL24)

BETA0 (1) = -.019 ALPHA0(5) = 2.162

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8970 .9720 1.0000

X/CW

1.000 -.3210 -.4857 -.5294

BETA0 (1) = -.013 ALPHA0(6) = 4.248

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8970 .9720 1.0000

X/CW

.000	-.1719	-.2448	.3259	.6309	.6218	.6141	.5741	-.0982
.010	-.1138	-.1899	.4113	.4045	.3170	.3900	.4635	
.020	-.0689	-.0965	.4122	.2957	.2772	.3128	.3673	.0373
.040		-.0664	.3247					
.050	-.0561			.2418	.2034	.2570	.3279	
.069								.0681
.080				.2173				
.081			.2339					
.086		.0861						
.094	-.0778							
.150				.2211	.2571	.3078	.2780	
.157								.0659
.163		.2526						
.177			.2262					
.229	-.0534							
.246		.2032						
.250				.2535	.2925	.3148	.2363	
.274			.2514					
.345								.0221
.362	.0000							
.390		.2752						
.400				.3152	.3418		.2106	
.402			.3074					
.418								-.6217
.497	.2463							
.503								.0000
.550				.2699	.2208			
.565			.2658					
.600							.0192	
.637		.2644						
.650					.0314			
.670								-.1026
.700	.2929			-.0380				
.725			-.0807					
.730								-.8152
.750					-.1036	-.1508		

ORIGINAL PAGE IS
OF POOR QUALITY

ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL24)

BETA0 (1) = -.013 ALPHA0(6) = 4.248

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.760				-.2150						
.775					-.1804	-.2050				
.798			-.3045							
.808				-.3930						
.834	-.2775									
.839			-.3701							
.850					-.4292	-.3774	-.3298			
.857				-.4985						
.862									-.3674	
.865	-.3209									
.879			-.4148							
.900	-.3368				-.5368				-.3730	
.905				-.5593						
.919			-.4443							
.950					-.3764	-.4442	-.4696			
.953				-.3464						
.955			-.4186							
.965	-.4685									
1.000				-.2780		-.3916		-.5678		

BETA0 (1) = .001 ALPHA0(7) = 6.352

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	-.1800	-.3302	.2342	.5969	.6158	.6064	.5344	-.2187		
.010	-.1033	-.2457	.3849	.5177	.4548	.5377	.5787			
.020	-.0551	-.0859	.4304	.4035	.4061	.4418	.4836	-.0128		
.040		-.0373	.3647							
.050	-.0519			.3191	.3122	.3629	.4162			
.069								.0447		
.080				.2727						
.081			.2758							
.086		.1418								
.094	-.0544									
.150				.2595	.3061	.3547	.3262			
.157								.0688		
.163		.2787								
.177			.2506							
.229	-.0231									
.246		.2247								
.250				.2762	.3080	.3381	.2699			
.274			.2624							

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IAB1A - PRESSURE SOURCE DATA TABULATION

PAGE 1197

ARC1:-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL24)

BETA0 (1) = .001 ALPHA0(7) = 6.352

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								.0294	
.362	.0000								
.390		.2812							
.400				.2958	.3362		.2267		
.402			.2944						
.418									-.6849
.497	.2528								
.503								.0000	
.550				.2305	.2068				
.565			.2268						
.600							.0285		
.637		.2346							
.650						.0340			
.670								-.1195	
.700	.2736				-.0457				
.725				-.1040					
.730									-.8411
.750						-.1253	-.1405		
.760			-.2404						
.775				-.1983	-.2181				
.798		-.3071							
.808			-.4081						
.834	-.2694								
.839		-.3433							
.850				-.4329	-.4094	-.3305			
.857			-.4809						
.862								-.3674	
.865	-.3071								
.879		-.3905							
.900	-.3185			-.5399			-.3651		
.905			-.5261						
.919		-.4115							
.950				-.3052	-.4798	-.4657			
.953			-.3097						
.955		-.3255							
.965	-.3923								
1.000			-.2125		-.2961		-.5167		

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL25) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = 1.100 RN/FT = 2.250
 ELV-1B = .000 ELV-0B = .000
 RUDDER = .000 SPDBRK = .000

BETA0 (1) = .018 ALPHAD0 (1) = -6.220

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2250	-.0635	.3320	.4645	.3478	.2906	.2951	-.1246	
.010	-.2601	-.0373	.1501	-.5415	-.7787	-.6556	-.4622		
.020	-.3027	.0025	.0824	-.5354	-.7361	-.6509	-.4355	-.1303	
.040		.0297	-.0384						
.050	-.1587			-.3945	-.7124	-.6335	-.4315		
.069								-.1391	
.080				-.2435					
.081			-.0616						
.086		.1149							
.094	-.2725								
.150				-.1243	-.2538	-.5889	-.4312		
.157								-.1577	
.163		.1070							
.177			-.0486						
.229	-.0214								
.246		.0207							
.250				-.0402	-.0624	-.2802	-.4612		
.274			.0272						
.345								-.1955	
.362	.0000								
.390		.0786							
.400				.1302	.1650		-.3008		
.402			.0759						
.418								-.1473	
.497	.0687								
.503								.0000	
.550				.1175	.0564				
.565			.1140						
.600							-.0274		
.637		.1110							
.650						-.1295			
.670								-.1955	
.700	.1263				-.2090				
.725			-.2699						
.730								-.2279	
.750						-.2700	-.2640		
.760		-.3600							
.775			-.3714	-.3919					

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IAGIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL25)

BETA0 (1) = .018 ALPHA0(1) = -6.220

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.798		-.3446							
.808			-.5101						
.834	-.3559								
.839		-.4794							
.850				-.6290	-.5048	-.5048			
.857			-.6172						
.862								-.3943	
.865	-.3810								
.879		-.5474							
.900	-.4437			-.4929			-.4960		
.905			-.6901						
.919		-.5609							
.950				-.3438	-.5467	-.6456			
.953			-.3893						
.955		-.4002							
.965	-.5916								
1.000			-.2763		-.3654		-.3944		

BETA0 (1) = .000 ALPHA0(2) = -4.109

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2271	-.0370	.3819	.5128	.4101	.3566	.3686	-.1347	
.010	-.2531	.0037	.2484	-.3935	-.6363	-.5858	-.3048		
.020	-.2815	.0288	.1771	-.3490	-.5988	-.6269	-.3578	-.1215	
.040		.0531	.0435						
.050	-.1631			-.2338	-.5678	-.5825	-.3548		
.069								-.1094	
.080				-.1570					
.081			-.0085						
.086		.1515							
.094	-.2717								
.150				-.0591	-.1194	-.2695	-.3376		
.157								-.1030	
.163		.1409							
.177			.0061						
.229	-.0011								
.246		.0565							
.250			.0024	.0258	.1371	-.2406			
.274			.0602						
.345								-.1441	
.362	.0000								

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL25)

BETA0 (1) = .000 ALPHA0 (2) = -4.109

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW									
.390			.1091						
.400					.1774	.1836		.0876	
.402				.1200					
.418									-.1621
.497	.1024								
.503								.0000	
.550					.1327	.0638			
.565				.1298					
.600								-.1121	
.637		.1246							
.650						-.1335			
.670								-.1744	
.700	.1517				-.2073				
.725				-.2572					
.730									-.2079
.750						-.2725	-.3141		
.760			-.3560						
.775				-.3617	-.3883				
.798		-.3436							
.808			-.5112						
.834	-.3413								
.839		-.4766							
.850				-.6278	-.5011	-.5135			
.857			-.6138						
.862								-.3264	
.865	-.3914								
.879		-.5463							
.900	-.4377			-.4907			-.5303		
.905			-.6848						
.919		-.5618							
.950				-.3376	-.5801	-.6573			
.953			-.3879						
.955		-.3692							
.965	-.5627								
1.000			-.2677		-.3703	-.3377			

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TABLE A - PRESSURE SOURCE DATA TABULATION

PAGE 1201

ARC11-019 1A01 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL25)

BETA0 (1) = -.015 ALPHA0(3) = -2.020

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.000	-.2432	-.0448	.4119	.5550	.4725	.4437	.4864	-.0425
.010	-.2485	-.0020	.3274	-.1433	-.4380	-.4229	-.2516	
.020	-.2229	.0324	.2606	-.1540	-.3567	-.3146	-.3006	-.0286
.040		.0630	.1206					
.050	-.1704			-.1132	-.2832	-.2569	-.2320	
.069								-.0539
.080				-.0747				
.081			.0497					
.086		.1748						
.094	-.2601							
.150			.0178	.0705	.0801	.0205		
.157								-.0550
.163		.1720						
.177			.0657					
.229	.0049							
.246		.0969						
.250			.1072	.1399	.1271	.0516		
.274			.1063					
.345								-.0999
.362	.0000							
.390		.1522						
.400			.2066	.1967		.0530		
.402			.1880					
.418								-.2339
.497	.1406							
.503								.0000
.550			.1453	.0760				
.565		.1543						
.600						-.1404		
.637		.1529						
.650					-.1340			
.670								-.1782
.700	.1874			-.2059				
.725			-.2508					
.730								-.5172
.750						-.2809	-.3375	
.760		-.3626						
.775			-.3603	-.3865				
.798		-.3711						
.808		-.5347						
.834	-.3345							
.839		-.4807						
.850			-.6338	-.4861	-.5204			
.857		-.6261						
.862								-.4717

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL25)

BETA0 (1) = -.015 ALPHA0(3) = -2.020

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.865	-.3911								
.879		-.5488							
.900	-.4354			-.5197			-.5572		
.905			-.6895						
.919		-.5731							
.950				-.3427	-.6544	-.6656			
.953			-.3967						
.955		-.3519							
.965	-.5428								
1.000			-.2764		-.3989		-.3189		

BETA0 (1) = -.024 ALPHA0(4) = .066

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000	-.2520	-.0673	.4223	.5989	.5515	.5406	.5423	-.0173	
.010	-.2035	-.0284	.3939	.0696	-.0898	-.0428	.0542		
.020	-.1484	.0273	.3388	-.0091	-.0616	-.0435	-.0390	.0216	
.040		.0685	.2035						
.050	-.1780			.0204	-.0308	-.0002	.0245		
.069								-.0179	
.080				.0368					
.081			.1250						
.086		.1978							
.094	-.1848								
.150				.0954	.1433	.1654	.0745		
.157								-.0345	
.163		.2143							
.177			.1256						
.229	.0097								
.246		.1427							
.250				.1771	.1840	.1698	.0861		
.274			.1651						
.345								-.0980	
.362	.0000								
.390		.1983							
.400				.2348	.2193		.0675		
.402			.2315						
.418									-.4325
.497	.1763								
.503								.0000	
.550				.1617	.0857				

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL25)

BETA0 (1) = -.024 ALPHA0 (4) = .066

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565			.1771						
.600								-.1392	
.637		.1734							
.650						-.1313			
.670								-.1791	
.700	.2116				-.2046				
.725				-.2416					
.730									-.8187
.750						-.2807	-.3351		
.760			-.3588						
.775				-.3525	-.3859				
.798		-.4064							
.808			-.5526						
.834	-.3446								
.839		-.4830							
.850				-.6304	-.4429	-.5186			
.857			-.6319						
.862								-.5245	
.865	-.3921								
.879		-.5582							
.900	-.4379			-.5074			-.5642		
.905			-.6214						
.919		-.5724							
.950				-.3442	-.7010	-.6646			
.953			-.3956						
.955		-.3336							
.965	-.5125								
1.000			-.2846		-.4100		-.3260		

BETA0 (1) = -.019 ALPHA0 (5) = 2.167

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2265	-.1407	.4028	.6123	.5906	.5857	.5391	-.0854	
.010	-.1673	-.0969	.4307	.2511	.1321	.2451	.2922		
.020	-.1389	.0067	.3986	.1608	.1405	.1695	.1822	-.0025	
.040		.0528	.2789						
.050	-.1780			.1404	.1221	.1487	.1588		
.069								-.0150	
.080				.1384					
.081			.1903						
.086		.2121							

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(RET L25)

DEPENDENT VARIABLE CP

X/CW

.094

.150

. 157

163

.177

229

.246
250

.250
274

279
345

362

.390

,400

.402

.418

.497

.503

.550
505

.565
600

.600
637

.657
.650

.670

.700

.725

.730

.750
750

.760
775

.775
700

. 798
808

.808
.834

.839

.850

.857

062

865
870

879
900

.900
.905

.919

.950

.953

.955

.965

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IABIA - PRESSURE SOURCE DATA TABULATION

PAGE 1205

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL25)

BETA0 (1) = -.019 ALPHA0(5) = 2.167

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			-.2756		-.3837		-.3894		

X/CW

1.000

-.2756

-.3837

-.3894

BETA0 (1) = -.015 ALPHA0(6) = 4.256

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2141	-.2395	.3615	.6078	.5927	.5741	.4913	-.2273	
.010	-.1586	-.1777	.4472	.4023	.3417	.4306	.4457		
.020	-.1295	-.0296	.4441	.2992	.3001	.3374	.3424	-.0712	
.040		.0274	.3431						
.050	-.1369			.2487	.2439	.2750	.2769		
.069								-.0351	
.080				.2294					
.081			.2468						
.086		.2294							
.094	-.0940								
.150				.2371	.2581	.2651	.2003		
.157								-.0455	
.163		.2840							
.177			.2247						
.229	.0380								
.246		.2155							
.250				.2647	.2564	.2381	.1460		
.274			.2397						
.345								-.1005	
.362	.0000								
.390		.2556							
.400				.2713	.2458		.0931		
.402			.2730						
.418									-.7980
.497	.2363								
.503								.0000	
.550				.1766	.0993				
.565			.1842						
.600							-.1214		
.637		.1808							
.650					-.1157				
.670								-.1909	
.700	.2360			-.1977					
.725			-.2219						
.730									-.9565
.750					-.2919	-.3093			

X/CW

.000 -.2141 -.2395 .3615 .6078 .5927 .5741 .4913 -.2273

.010 -.1586 -.1777 .4472 .4023 .3417 .4306 .4457

.020 -.1295 -.0296 .4441 .2992 .3001 .3374 .3424 -.0712

.040 .0274 .3431

.050 -.1369 .2487 .2439 .2750 .2769

.069 .2294

.080 .2468

.081

.086 .2294

.094 -.0940

.150 .2371 .2581 .2651 .2003

.157 -.0455

.163 .2840

.177 .2247

.229 .0380

.246 .2155

.250 .2647 .2564 .2381 .1460

.274 .2397

.345 -.1005

.362 .0000

.390 .2556

.400 .2713 .2458 .0931

.402 .2730

.418 -.7980

.497 .2363

.503 .0000

.550 .1766 .0993

.565 .1842

.600 -.1214

.637 .1808

.650 -.1157

.670 -.1909

.700 .2360

.725 -.2219

.730 -.9565

.750 -.2919 -.3093

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL25)

BETA0 (1) = -.015 ALPHA0(6) = 4.256

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.780			-.3601						
.775				-.3323	-.3764				
.798		-.4092							
.808			-.5503						
.834	-.3237								
.839		-.4638							
.850				-.6203	-.4274	-.5103			
.857			-.6176						
.862								-.5315	
.865	-.3779								
.879		-.5215							
.900	-.3982			-.3814				-.5508	
.905			-.4601						
.919		-.4804							
.950				-.3080	-.6597	-.5613			
.953			-.3339						
.955		-.2727							
.965	-.4182								
1.000			-.2332		-.3590		-.3946		

BETA0 (1) = .000 ALPHA0(7) = 6.355

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2511	-.4171	.2809	.5836	.5667	.5427	.4321	-.3737	
.010	-.1748	-.3260	.4277	.4929	.4714	.5510	.5486		
.020	-.1293	-.0937	.4655	.3807	.4199	.4541	.4548	-.1296	
.040		-.0191	.3909						
.050	-.1120			.3050	.3329	.3680	.3666		
.069								-.0634	
.080				.2698					
.081			.2901						
.086		.2352							
.094	-.0750								
.150				.2655	.3027	.3215	.2532		
.157								-.0434	
.163		.3104							
.177			.2478						
.229	.0414								
.246		.2370							
.250				.2681	.2794	.2698	.1849		
.274			.2529						

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL25)

BETA0 (1) = .000 ALPHA0(7) = 6.355

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.0931	
.362	.0000								
.390		.2660							
.400				.2544	.2498		.1129		
.402			.2696						
.418									-.7964
.497	.2424								
.503								.0000	
.550				.1442	.0961				
.565			.1558						
.600							-.1108		
.637		.1628							
.650						-.1085			
.670								-.1955	
.700	.2230				-.1971				
.725				-.2467					
.730									-.7383
.750						-.2840	-.3006		
.760			-.3695						
.775				-.3515	-.3787				
.798		-.4118							
.808			-.5505						
.834	-.3194								
.839		-.4415							
.850				-.6179	-.4501	-.5048			
.857			-.5835						
.862								-.5292	
.865	-.3768								
.879		-.4712							
.900	-.3829			-.3191			-.5452		
.905			-.3954						
.919		-.4047							
.950				-.2863	-.5709	-.5771			
.953			-.2671						
.955		-.2546							
.965	-.3865								
1.000			-.1851		-.3260		-.5970		

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26) (17 OCT 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 976.0000 IN. XT
 LREF = 1297.0000 INCHES YMRP = .0000 IN. YT
 BREF = 1297.0000 INCHES ZMRP = 400.0000 IN. ZT
 SCALE = .0300 SCALE

PARAMETRIC DATA

MACH = .900 RN/FT = 2.250
 ELV-18 = .000 ELV-08 = .000
 RUDDER = .000 SPDBRK = .000

ALPHA(1) = -6.182 BETA(1) = -4.055

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0252	.0863	.3054	.4286	.3171	.2555	.2631	-.5133	
.010	.0018	.0549	.0079	-.8088	-.8426	-.8163	-.7471		
.020	-.0093	.0549	-.0843	-.7253	-.8214	-.7248	-.7056	-.4539	
.040		.0687	-.1876						
.050	-.0155			-.3726	-.7813	-.6918	-.6372		
.069								-.4528	
.080				-.2831					
.081			-.1646						
.086		.0998							
.094	-.0086								
.150				-.1165	-.1829	-.4952	-.5193		
.157								-.4158	
.163		.0326							
.177			-.0717						
.229	.0657								
.246		-.0377							
.250				-.0150	-.0739	-.1855	-.3901		
.274			.0175						
.345								-.3961	
.362	.0000								
.390		.0778							
.400				.0512	-.0344		-.2772		
.402			.1070						
.418								-.2927	
.497	.0661								
.503								.0000	
.550				-.0543	-.1816				
.565		.0236							
.600							-.3936		
.637		.0615							
.650					-.4037				
.670								-.3029	
.700	.1495				-.5095				
.725				-.5538					
.730								-.4715	
.750						-.5734	-.5256		
.760			-.5124						
.775				-.6519	-.7000				

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0 (1) = -6.173 BETA0 (2) = -2.019

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.390		.0434							
.400				.0278	-.0457		-.3620		
.402			.0752						
.418									-.3543
.497	.0366								
.503								.0000	
.550				-.0738	-.1934				
.565			.0011						
.600							-.4197		
.637		.0253							
.650						-.4264			
.670								-.3048	
.700	.0995				-.5177				
.725				-.5570					
.730									-.4872
.750						-.5905	-.6016		
.760			-.5049						
.775				-.6572	-.7073				
.798		-.4417							
.808			-.6491						
.834	-.4146								
.839		-.4993							
.850				-.2848	-.2555	-.3352			
.857			-.4387						
.862								-.2482	
.865	-.4430								
.879		-.4420							
.900	-.3741			-.1983			-.2023		
.905			-.2755						
.919		-.3588							
.950			-.1567	-.1497	-.1323				
.953			-.1922						
.955		-.2792							
.965	-.3958								
1.000			-.1116		-.0853		-.0004		

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(1) = -6.160 BETA(3) = .037

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0131	.0684	.2518	.3266	.1857	.1140	.1282	-.4604	
.010	.0033	.0540	-.0074	-.8774	-.9274	-.8249	-.7361		
.020	-.0024	.0614	-.0834	-.7671	-.9140	-.7733	-.7109	-.4569	
.040		.0719	-.1860						
.050	-.0071			-.4251	-.9159	-.7471	-.6768		
.069								-.4642	
.080				-.3486					
.081			-.1841						
.086		.0898							
.094	-.0009								
.150				-.2015	-.2437	-.6799	-.6481		
.157								-.4600	
.163		.0221							
.177			-.1201						
.229	.0547								
.246		-.0611							
.250				-.1082	-.1365	-.3493	-.5946		
.274			-.0599						
.345								-.4615	
.362	.0000								
.390		.0003							
.400				-.0316	-.0906		-.4497		
.402			.0026						
.418								-.3800	
.497	.0010								
.503								.0000	
.550				-.1196	-.2372				
.565			-.0738						
.600							-.4206		
.637		-.0615							
.650						-.4672			
.670								-.3304	
.700	-.0117				-.5599				
.725				-.5904					
.730								-.5240	
.750						-.6343	-.6141		
.760			-.5409						
.775				-.6928	-.7448				
.798		-.4672							
.808			-.6532						
.834	-.4171								
.839		-.4894							
.850				-.3337	-.2930	-.3003			
.857			-.4742						
.862								-.2559	

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(1) = -6.160 BETA(3) = .037

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.4251								
.879		-.4333							
.900	-.3787			-.1989			-.1752		
.905			-.3056						
.919		-.3516							
.950				-.1215	-.1335	-.1213			
.953			-.2019						
.955		-.2737							
.965	-.4105								
1.000			-.1166		-.0766		-.0013		

ALPHA(1) = -6.132 BETA(4) = 2.107

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0015	.0758	.2459	.3003	.1420	.0594	.0704	-.4439	
.010	.0050	.0774	.0249	-.8036	-.9265	-.8334	-.7221		
.020	.0001	.0816	-.0442	-.7041	-.9181	-.7849	-.7047	-.4473	
.040		.0901	-.1366						
.050	.0039			-.3812	-.9139	-.7657	-.6808		
.069								-.4598	
.080				-.3248					
.081			-.1489						
.086		.1009							
.094	.0085								
.150				-.1972	-.2331	-.7285	-.6959		
.157								-.4586	
.163		.0423							
.177			-.1042						
.229	.0489								
.246		-.0340							
.250				-.1258	-.1595	-.3039	-.6442		
.274			-.0660						
.345								-.4870	
.362	.0000								
.390		-.0136							
.400				-.0680	-.1103		-.4829		
.402			-.0381						
.418									-.4295
.497	-.0003								
.503								.0000	
.550				-.1566	-.2480				

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ARCI1-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(1) = -6.132 BETA(4) = 2.107

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.565									
.600									
.637									
.650									
.670									
.700									
.725									
.730									
.750									
.760									
.775									
.798									
.808									
.834									
.839									
.850									
.857									
.862									
.865									
.879									
.900									
.905									
.919									
.950									
.953									
.955									
.965									
1.000									

ALPHA(1) = -6.123 BETA(5) = 4.151

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

.000									
.010									
.020									
.040									
.050									
.069									
.080									
.081									
.086									

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(1) = -6.123 BETA(5) = 4.151

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

1.000

-.1686

-.0408

.0066

ALPHA(2) = -4.098 BETA(1) = -6.117

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CW

.000

.0482

.1400

.4071

.5456

.4718

.4323

.4290

-.3087

.010

.0404

.1314

.1937

-.4632

-.6552

-.7574

-.6697

.020

.0222

.1233

.0873

-.4377

-.5694

-.6062

-.7125

-.3529

.040

.1333

-.0484

-.2489

-.4039

-.4874

-.6757

.050

.0139

-.1550

.069

.080

.081

.086

.094

.150

.157

.163

.177

.229

.246

.250

.274

.345

.362

.390

.400

.402

.418

.497

.503

.550

.565

.600

.637

.650

.670

.700

.725

.730

.750

.1568

-.0530

-.0146

-.0565

-.1253

-.2170

-.3097

.0936

.0168

.0366

.0904

.0598

-.0098

-.0844

-.1778

-.2995

.0000

.1394

.1003

.0120

-.1820

.1643

-.2908

.1276

.0000

.0652

-.0277

-.1473

-.3866

.1065

-.3879

-.2859

.2142

-.5376

-.4850

-.2979

-.5744

-.5753

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0(2) = -4.098 BETA0(1) = -6.117

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.760			-.5241						
	.775				-.6528	-.6769				
	.798		-.4391							
	.808			-.7119						
	.834	-.4233								
	.839		-.5290							
	.850				-.2783	-.2972	-.2360			
	.857			-.3977						
	.862								-.1529	
	.865	-.4263								
	.879		-.4123							
	.900	-.4305			-.1721			-.1253		
	.905			-.2210						
	.919		-.3077							
	.950				-.0902	-.1402	-.0844			
	.953			-.1240						
	.955		-.2307							
	.965	-.4328								
	1.000			-.0664		-.0583		.0147		

ALPHA0(2) = -4.096 BETA0(2) = -4.069

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
	.000	.0271	.1149	.3637	.4978	.4100	.3610	.3617	-.3764	
	.010	.0310	.1079	.1437	-.5288	-.7154	-.8165	-.7477		
	.020	.0097	.1028	.0448	-.4812	-.6360	-.6810	-.7272	-.4127	
	.040		.1148	-.0823						
	.050	-.0003			-.2833	-.4571	-.5289	-.7337		
	.069								-.3937	
	.080				-.1828					
	.081			-.0877						
	.086		.1365							
	.094	.0035								
	.150				-.0468	-.0941	-.1674	-.2830		
	.157								-.3267	
	.163		.0718							
	.177			-.0185						
	.229	.0759								
	.246		.0094							
	.250				.0283	-.0399	-.1164	-.2060		
	.274			.0529						

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL25)

ALPHA(2) = -4.086 BETA(2) = -4.069

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000	
X/CH										
.345								-.3293		
.362	.0000									
.390		.1085								
.400				.0755	-.0191		-.2106			
.402			.1283							
.418									-.2148	
.497	.0974									
.503								.0000		
.550				-.0502	-.1804					
.565			.0298							
.600							-.4165			
.637		.0541								
.650						-.4283				
.670								-.2989		
.700	.1621				-.5232					
.725				-.5590						
.730									-.3329	
.750						-.5999	-.6114			
.760			-.5080							
.775				-.6580	-.7024					
.798		-.4348								
.808			-.6628							
.834	-.4087									
.839		-.4765								
.850				-.2964	-.2839	-.2517				
.857			-.4316							
.862								-.1384		
.865	-.4495									
.879		-.4226								
.900	-.3872			-.1534				-.1184		
.905			-.2308							
.919		-.3350								
.950				-.0823	-.1131	-.0689				
.953			-.1461							
.955		-.2512								
.965	-.4186									
1.000			-.0758		-.0515		.0210			

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(3) = -4.071 BETA(3) = .025

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0068	.0871	.3050	.4053	.2907	.2391	.2371	-.4429	
.010	.0100	.0948	.1178	-.5722	-.7793	-.8739	-.8600		
.020	.0031	.0956	.0376	-.5213	-.7333	-.7411	-.7690	-.4196	
.040		.1053	-.0861						
.050	-.0007			-.3200	-.5583	-.6291	-.7540		
.069				-.2427				-.4300	
.080									
.081			-.1177						
.086		.1221							
.094	.0031								
.150				-.1201	-.1803	-.2673	-.4510		
.157								-.3994	
.163		.0606							
.177			-.0718						
.229	.0594								
.246		-.0256							
.250				-.0455	-.0999	-.1697	-.2446		
.274			-.0198						
.345								-.4093	
.362	.0000								
.390		.0316							
.400				.0069	-.0669		-.2438		
.402			.0292						
.418								-.3763	
.497	.0299								
.503								.0000	
.550				-.1005	-.2187				
.565			-.0599						
.600							-.4556		
.637		-.0500							
.650						-.4847			
.670								-.3180	
.700	.0047				-.5535				
.725				-.5753					
.730								-.3893	
.750						-.6366	-.6727		
.760			-.5427						
.775				-.6748	-.7320				
.798		-.4706							
.808			-.6514						
.834	-.4157								
.839		-.4919							
.850				-.3446	-.3136	-.2921			
.857			-.4676						
.862								-.1728	

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1A81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0 (2) = -4.071 BETA0 (3) = .025

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.4479								
.879		-.4214							
.900	-.3809			-.1993				-.1720	
.905			-.2895						
.919		-.3394							
.950				-.1240	-.1531	-.1590			
.953			-.1755						
.955		-.2540							
.965	-.3935								
1.000			-.0957		-.0798		-.0248		

ALPHA0 (2) = -4.050 BETA0 (4) = 4.127

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0490	.0678	.2710	.3467	.2112	.1472	.1453	-.4667	
.010	-.0371	.0753	.1249	-.5349	-.7357	-.9820	-.8422		
.020	-.0226	.0842	.0631	-.4676	-.7086	-.7634	-.7610	-.4463	
.040		.0924	-.0386						
.050	-.0119			-.2834	-.4874	-.6801	-.7198		
.069								-.4531	
.080				-.2203					
.081			-.0700						
.086		.1044							
.094	.0004								
.150				-.1269	-.1890	-.2566	-.4979		
.157								-.4322	
.163		.0637							
.177			-.0439						
.229	.0485								
.246		.0020							
.250				-.0789	-.1355	-.1907	-.2858		
.274			-.0209						
.345								-.4634	
.362	.0000								
.390		.0221							
.400				-.0641	-.1081		-.2658		
.402			-.0152						
.418								-.4005	
.497	.0241								
.503									.0000
.550				-.1745	-.2530				

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(RETL26)

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.5730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.1202	.0607	.2345	.3383	.1807	.1000	.0898	-.4528	
.010	-.1011	.0680	.1315	-.4703	-.7133	-.8705	-.8337		
.020	-.0651	.0765	.0783	-.4130	-.6915	-.7574	-.7735	-.4517	
.040		.0831	-.0112						
.050	-.0281			-.2430	-.4749	-.6870	-.7220		
.069								-.4669	
.080				-.1812					
.081			-.0461						
.086		.0967							

ARC11-019 1AB1 LVAP1ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0(2) = -4.048 BETA0 (5) = 6.181

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
1.000			-.1844		-.0240		.0013		

ALPHA0(3) = -2.011 BETA0 (1) = -6.126

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0431	.1533	.4392	.5946	.5490	.5190	.4961	-.1429	
.010	.0504	.1647	.2968	-.1898	-.3245	-.3506	-.3107		
.020	.0383	.1635	.2000	-.2362	-.2505	-.3197	-.4494	-.1770	
.040		.1743	.0509						
.050	.0302			-.1219	-.1807	-.2208	-.3016		
.069								-.2370	
.080				-.0714					
.081			.0137						
.086		.1980							
.094	.0306								
.150				.0447	.0130	-.0406	-.1332		
.157								-.2450	
.163		.1403							
.177			.0613						
.229	.1077								
.246		.0780							
.250				.0975	.0324	-.0414	-.1364		
.274			.1228						
.345								-.2986	
.362	.0000								
.390		.1666							
.400				.1179	.0265		-.1684		
.402			.1808						
.418								-.3987	
.497	.1514								
.503								.0000	
.550				-.0250	-.1469				
.565		.0651							
.600							-.3991		
.637		.1065							
.650						-.3958			
.670								-.2789	
.700	.2170			-.4920					
.725			-.5394						
.730								-.3674	
.750					-.5926	-.6142			

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(3) = -2.011 BETA(1) = -6.126

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.5174						
.775				-.6438	-.6432				
.798		-.4308							
.808			-.6886						
.834	-.4161								
.839		-.4627							
.850				-.2855	-.3087	-.2176			
.857			-.3996						
.862								-.1224	
.865	-.4326								
.879		-.3909							
.900	-.4103			-.1393				-.1102	
.905			-.2101						
.919		-.2939							
.950				-.0458	-.1209	-.0562			
.953			-.1053						
.955		-.2125							
.965	-.4105								
1.000			-.0420		-.0188		.0372		

ALPHA(3) = -1.998 BETA(2) = -2.045

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0140	.1165	.3812	.5198	.4537	.4226	.4071	-.2041	
.010	.0326	.1289	.2479	-.2933	-.4586	-.5134	-.4494		
.020	.0243	.1350	.1606	-.3125	-.3580	-.4152	-.5347	-.2347	
.040		.1497	.0184						
.050	.0198			-.1862	-.2687	-.3171	-.4013		
.069								-.2919	
.090				-.1219					
.081			-.0231						
.086		.1694							
.094	.0232								
.150				-.0144	-.0385	-.0839	-.1795		
.157								-.2877	
.163		.1111							
.177			.0177						
.229	.0861								
.246		.0382							
.250				.0450	-.0078	-.0733	-.1716		
.274			.0714						

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1AB1A - PRESSURE SOURCE DATA TABULATION

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

ALPHA0(3) = -1.998 BETA0 (2) = -2.045

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2993	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0(3) = -1.984 BETA0(3) = 2.071

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0420	.0693	.3208	.4383	.3440	.3037	.2972	-.3005	
.010	-.0164	.0898	.2294	-.2919	-.5510	-.6622	-.6899		
.020	-.0096	.1084	.1626	-.3078	-.4589	-.5133	-.6193	-.3145	
.040		.1204	.0301						
.050	.0057			-.1995	-.3559	-.4486	-.5271		
.069								-.3465	
.080				-.1444					
.081			-.0260						
.086		.1421							
.094	.0145								
.150				-.0701	-.1126	-.1525	-.2435		
.157								-.3556	
.163		.1026							
.177			-.7160						
.229	.0671								
.246		.0277							
.250				-.0316	-.0771	-.1300	-.2213		
.274			.0005						
.345								-.3910	
.362	.0000								
.390		.0448							
.400				-.0131	-.0585		-.2404		
.402			.0159						
.418								-.4517	
.497	.0500								
.503								.0000	
.550				-.1301	-.2233				
.565			-.1074						
.600							-.4732		
.637		-.1088							
.650						-.4764			
.670								-.3126	
.700	-.0691				-.5567				
.725				-.5579					
.730								-.3373	
.750						-.6544	-.7057		
.760			-.4393						
.775				-.5772	-.6418				
.798		-.3859							
.808			-.5111						
.834	-.3591								
.839		-.4091							
.850				-.4666	-.3541	-.2256			
.857			-.4320						
.862								-.1088	

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0 (3) = -1.984 BETA0 (3) = 2.071

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.865	-.3881								
.879		-.3722							
.900	-.3141			-.2039			-.1673		
.905			-.2995						
.919		-.3156							
.950				-.0993	-.1239	-.1304			
.953			-.1935						
.955		-.2494							
.965	-.3180								
1.000			-.1140		-.0358		-.0638		

ALPHA0 (3) = -1.975 BETA0 (4) = 6.155

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CH									
.000	-.1418	.0435	.2459	.4010	.2832	.2276	.2077	-.3667	
.010	-.1082	.0479	.1960	-.2411	-.5058	-.6573	-.6323		
.020	-.0776	.0688	.1523	-.2569	-.4295	-.5113	-.6349	-.3685	
.040		.0823	.0570						
.050	-.0401			-.1617	-.2984	-.4417	-.5689		
.069								-.3897	
.080				-.1174					
.081			.0091						
.086		.1058							
.094	-.0182								
.150				-.0557	-.1190	-.1746	-.2869		
.157								-.3670	
.163		.0831							
.177			.0087						
.229	.0373								
.246		.0410							
.250				-.0327	-.0997	-.1605	-.2596		
.274			.0145						
.345								-.4185	
.362	.0000								
.390		.0497							
.400				-.0557	-.1059		-.2691		
.402			-.0020						
.418								-.4615	
.497	.0454								
.503								.0000	
.550				-.1873	-.2620				

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ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(3) = -1.975 BETA(4) = 6.155

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.1467						
.600							-.4985		
.637		-.1408							
.650						-.4914			
.670								-.3200	
.700	-.1447				-.5151				
.725				-.4595					
.730									-.5377
.750						-.6295	-.7142		
.760			-.3776						
.775				-.4580	-.4977				
.798		-.3711							
.808			-.4204						
.834	-.3459								
.839		-.3874							
.850				-.3710	-.3514	-.2354			
.857			-.3856						
.862								-.0611	
.865	-.3704								
.879		-.3442							
.900	-.3195			-.2568			-.1301		
.905			-.3405						
.919		-.3115							
.950				-.1440	-.0915	-.0776			
.953			-.2588						
.955		-.2690							
.965	-.3046								
1.000			-.1655		-.0142		-.0355		

ALPHA(4) = .071 BETA(1) = -6.134

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	.0267	.1382	.4541	.6261	.5905	.5660	.5132	-.1130	
.010	.0540	.1780	.3948	.0724	-.0162	.0243	.0360		
.020	.0588	.1950	.3159	-.0323	-.0101	-.0410	-.1172	-.1062	
.040		.2144	.1608						
.050	.0554			.0099	-.0257	-.0394	-.0944		
.069								-.1794	
.080				.0362					
.081			.0961						
.086		.2403							

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ARC11-019 1A81 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0 (4) = .071 BETA0 (1) = -6.134

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720 1.0000
X/CW								
.094	.0557							
.150				.0844	.0683	.0261	-.0716	
.157								-.2068
.163		.1939						
.177			.1168					
.229	.1323							
.246		.1275						
.250				.1375	.0797	.0052	-.0948	
.274			.1581					
.345								-.2902
.362	.0000							
.390		.1942						
.400				.1344	.0503		-.1449	
.402			.2025					
.418								-.6127
.497	.1849							
.503								.0000
.550				-.0199	-.1371			
.565			.0712					
.600							-.3878	
.637		.1115						
.650						-.3881		
.670								-.2800
.700	.2325				-.4861			
.725				-.5324				
.730								-.5209
.750						-.5568	-.6052	
.760			-.5227					
.775				-.6175	-.6211			
.798		-.4329						
.808			-.5779					
.834	-.4107							
.839		-.4495						
.850				-.3145	-.3940	-.4534		
.857			-.4726					
.862								-.1992
.865	-.4133							
.879		-.3862						
.900	-.4068			-.1448			-.2227	
.905			-.2076					
.919		-.2849						
.950				-.0451	-.1311	-.0879		
.953			-.0977					
.955		-.2011						
.965	-.4051							

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(4) = .071 BETA(1) = -6.134

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW	1.000								

ALPHA(4) = .076 BETA(2) = -4.088

SECTION (1) LEFT WING BOTTOM DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW									
.000	.0046	.1146	.4237	.5927	.5507	.5264	.4736	-.1501	
.010	.0316	.1525	.3635	.0226	-.0670	-.0281	-.0137		
.020	.0373	.1722	.2891	-.0603	-.0560	-.0854	-.1603	-.1357	
.040		.1893	.1366						
.050	.0399			-.0241	-.0571	-.0741	-.1284		
.069								-.2157	
.080				.0041					
.081			.0719						
.086		.2202							
.094	.0441								
.150				.0591	.0445	.0026	-.1007		
.157								-.2377	
.163		.1742							
.177			.0907						
.229	.1164								
.246		.1040							
.250				.1118	.0536	-.0130	-.1197		
.274			.1332						
.345								-.3170	
.362	.0000								
.390		.1722							
.400				.1092	.0296		-.1653		
.402			.1768						
.418								-.6487	
.497	.1606								
.503								.0000	
.550				-.0369	-.1547				
.565			.0509						
.600							-.4087		
.637		.0853							
.650						-.4103			
.670								-.2919	
.700	.1956			-.5038					
.725			-.5494						
.730								-.4570	
.750						-.5862	-.6344		

ARC11-019 IAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL25)

ALPHA(4) = .076 BETA(2) = -4.088

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.4990						
.775				-.6412	-.6384				
.798		-.4104							
.808			-.5951						
.834	-.3920								
.839		-.4463							
.850				-.3075	-.3293	-.2450			
.857			-.4175						
.862								-.1551	
.865	-.4251								
.879		-.3933							
.900	-.3798			-.1458				-.1816	
.905			-.2216						
.919		-.3073							
.950				-.0552	-.1216	-.1068			
.953			-.1056						
.955		-.2176							
.965	-.4115								
1.000			-.0413		-.0205		.0035		

ALPHA(4) = .079 BETA(3) = .002

SECTION (1) LEFT WING BOTTOM	DEPENDENT VARIABLE CP								
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0455	.0599	.3551	.5117	.4588	.4343	.3971	-.2267	
.010	-.0144	.0915	.3084	-.0666	-.1999	-.2019	-.1672		
.020	.0005	.1248	.2439	-.1367	-.1774	-.2144	-.2945	-.2018	
.040		.1449	.1025						
.050	.0150			-.0881	-.1546	-.1718	-.2242		
.069								-.2801	
.080				-.0659					
.081			.0281						
.086		.1809							
.094	.0245								
.150				-.0063	-.0171	-.0639	-.1680		
.157								-.3006	
.163		.1441							
.177			.0308						
.229	.0896								
.246		.0576							
.250				.0352	-.0102	-.0628	-.1746		
.274			.0534						

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ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0(4) = .079 BETAP (3) = .002

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870 .9720 1.0000

X/CH

.345									
.362	.0000								-.3777
.390		.0925							
.400				.0397	-.0179				-.2081
.402			.0783						
.418									-.6495
.497	.0908								
.503								.0000	
.550				-.0908	-.1958				
.565			-.0385						
.600								-.4542	
.637		-.0259							
.650						-.4531			
.670								-.3044	
.700	.0359				-.5382				
.725				-.5650					
.730									-.4679
.750						-.6372	-.6927		
.760			-.5031						
.775				-.6520	-.6873				
.798		-.4023							
.808			-.5901						
.834	-.3709								
.839		-.4259							
.850				-.3538	-.3200	-.2131			
.857			-.4154						
.862									-.1052
.865	-.4132								
.879		-.3716							
.900	-.3416			-.1650				-.1754	
.905			-.2519						
.919		-.2965							
.950				-.0648	-.1267	-.1260			
.953			-.1462						
.955		-.2282							
.965	-.3509								
1.000			-.0731		-.0368		-.0597		

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(4) = .084 BETA(4) = 4.101

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.865	- .3878									
.879		- .3571								
.900	- .3224				- .2480			- .1610		
.905			- .3222							
.919		- .3088								
.950				- .1273	- .0969	- .1145				
.953			- .2270							
.955		- .2519								
.965	- .2875									
1.000			- .1314		- .0170		- .0968			

ALPHA(4) = .089 BETA(5) = 6.149

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.000	- .1855	.0039	.2050	.4315	.3511	.3141	.2807	- .3124		
.010	- .1640	- .0015	.2090	- .0482	- .2335	- .2824	- .2828			
.020	- .1245	.0364	.1823	- .1077	- .1982	- .2688	- .3720	- .2888		
.040		.0499	.1085							
.050	- .0674			- .0678	- .1697	- .2149	- .2828			
.069								- .3445		
.080				- .0471						
.081			.0596							
.086		.1031								
.094	- .0254									
.150				- .0114	- .0552	- .0942	- .2198			
.157								- .3642		
.163		.1047								
.177			.0451							
.229	.0436									
.246		.0711								
.250				- .0023	- .0644	- .1158	- .2222			
.274			.0397							
.345								- .4431		
.362	.0000									
.390		.0711								
.400				- .0426	- .0849		- .2563			
.402			.0141							
.418								- .6761		
.497	.0699									
.503									.0000	
.550				- .1848	- .2543					

ARC11-019 IAB1 LVAPIELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(4) = .089 BETA(5) = 6.149

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			-.1345						
.600							-.4950		
.637		-.1314							
.650						-.4845			
.670								-.3165	
.700	-.1280				-.5004				
.725				-.4305					
.730								-.6973	
.750						-.6123	-.7117		
.760			-.3775						
.775				-.4391	-.4782				
.798		-.3629							
.808			-.4173						
.834	-.3441								
.839		-.3883							
.850				-.3609	-.3446	-.2803			
.857			-.3825						
.862								-.0686	
.865	-.3662								
.879		-.3421							
.900	-.3140			-.2550			-.1252		
.905			-.3366						
.919		-.3141							
.950				-.1414	-.1026	-.0786			
.953			-.2536						
.955		-.2638							
.965	-.2919								
1.000			-.1491		-.0145		-.0536		

ALPHA(5) = 2.166 BETA(1) = -6.124

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0031	.0976	.4386	.6341	.5967	.5636	.4743	-.1997	
.010	.0479	.1622	.4495	.2353	.1860	.2598	.2454		
.020	.0613	.2052	.3860	.1220	.1547	.1464	.1001	-.1176	
.040		.2281	.2341						
.050	.0704			.1027	.0887	.0890	.0448		
.065								-.1759	
.080				.1050					
.081			.1515						
.086		.2723							

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1AB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 1AB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0(5) = 2.166 BETA0 (1) = -6.124

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.094	.0761									
.150					.1344	.1188	.0838	-.0139		
.157									-.1988	
.163		.2335								
.177			.1515							
.229	.1516									
.246		.1600								
.250					.1597	.1032	.0395	-.0621		
.274			.1795							
.345									-.2555	
.362	.0000									
.390		.2098								
.400				.1409	.0622			-.1295		
.402			.2064							
.418									-.5865	
.497	.2027									
.503									.0000	
.550				-.0242	-.1330					
.565			.0638							
.600								-.3580		
.637		.1017								
.650							-.3685			
.670									-.2811	
.700	.2317				-.4531					
.725				-.5170						
.730									-.3345	
.750						-.5556	-.5655			
.760			-.5110							
.775				-.6054	-.6079					
.798		-.4064								
.808			-.5517							
.834	-.3908									
.839		-.4350								
.850				-.4245	-.4195	-.6922				
.857			-.4441							
.862									-.4773	
.865	-.4072									
.879		-.3889								
.900	-.3985			-.1829				-.7086		
.905			-.2248							
.919		-.2831								
.950				-.0522	-.1845	-.1632				
.953			-.0930							
.955		-.1978								
.965	-.3915									

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(5) = 2.166 BETA(1) = -6.124

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000		-.0151		.0002		-.1544		

ALPHA(5) = 2.174 BETA(2) = -2.053

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP							
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	.000	-.0627	.0503	.3846	.5700	.5290	.4965	.4182	-.2741
	.010	-.0155	.1039	.3870	.1536	.0886	.1558	.1575	
	.020	.0096	.1558	.3329	.0471	.0643	.0593	.0197	-.1851
	.040		.1828	.1926					
	.050	.0313			.0441	.0241	.0221	-.0201	
	.069								-.2441
	.080				.0482				
	.081		.1057						
	.086		.2316						
	.094	.0408							
	.150			.0824	.0692	.0366	-.0610		
	.157								-.2577
	.163		.1981						
	.177			.1039					
	.229	.1126							
	.246		.1127						
	.250			.1135	.0613	.0011	-.1082		
	.274			.1282					
	.345								-.3334
	.362	.0000							
	.390		.1591						
	.400			.1000	.0258		-.1694		
	.402			.1571					
	.418								-.8112
	.497	.1457							
	.503								.0000
	.550			-.0543	-.1630				
	.565		.0241						
	.600						-.4057		
	.637	.0553							
	.650					-.4077			
	.670							-.2869	
	.700	.1540			-.4881				
	.725			-.5399					
	.730								-.4901
	.758					-.5816	-.6101		

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(5) = 2.174 BETA(2) = -2.053

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.4899						
.775				-.6131	-.6364				
.798		-.3900							
.808			-.5437						
.834	-.3989								
.839		-.4214							
.850				-.4329	-.3729	-.6603			
.857			-.4365						
.862								-.2843	
.865	-.4194								
.879		-.3896							
.900	-.3746			-.1759			-.3384		
.905			-.2369						
.919		-.3081							
.950				-.0519	-.1345	-.1150			
.953			-.1117						
.955		-.2182							
.965	-.3752								
1.000			-.0422		-.0054		-.0867		

ALPHA(5) = 2.176 BETA(3) = 2.058

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.1400	-.0283	.3035	.4909	.4430	.4192	.3513	-.3468	
.010	-.0931	-.0024	.3285	.1109	-.0089	.0322	.0513		
.020	-.0537	.0726	.2932	.0157	-.0225	-.0368	-.0813	-.2569	
.040		.1012	.1698						
.050	-.0105			.0067	-.0530	-.0590	-.0938		
.069								-.3005	
.080				.0067					
.081			.0863						
.086		.1692							
.094	.0132								
.150				.0293	.0052	-.0235	-.1234		
.157								-.3237	
.163		.1599							
.177			.0686						
.229	.0798								
.246		.0952							
.250			.0409	.0029	-.0517	-.1643			
.274			.0640						

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL25)

ALPHA(5) = 2.176 BETA(3) = 2.058

SECTION (1) LEFT WING BOTTOM		DEPENDENT VARIABLE CP								
Y/BW		.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW										
.345									-.4071	
.362	.0000									
.390		.0937								
.400					.0195	-.0255		-.2164		
.402			.0541							
.418									-.9463	
.497	.0940									
.503									.0000	
.550					-.1265	-.2127				
.565				-.1000						
.600								-.4589		
.637		-.0980								
.650						-.4597				
.670									-.3176	
.700	-.0484					-.5382				
.725					-.5452					
.730									-.6606	
.750						-.6256	-.6627			
.760				-.4409						
.775					-.5644	-.6439				
.798		-.3894								
.808			-.4998							
.834	-.3683									
.839		-.4190								
.850					-.5106	-.3943	-.5282			
.857				-.4268						
.862									-.1496	
.865	-.4085									
.879		-.3644								
.900	-.3293				-.2112			-.2959		
.905			-.2952							
.919		-.3052								
.950					-.0869	-.1414	-.1214			
.953			-.1733							
.955		-.2361								
.965	-.3184									
1.000			-.0941		-.0062		-.0473			

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IABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL25)

ALPHA(5) = 2.176 BETA(4) = 6.147

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2041	-.0458	.1721	.4474	.3826	.3499	.2856	-.3985	
.010	-.1806	-.0546	.2092	.1145	-.0114	.0026	-.0008		
.020	-.1233	.0077	.2027	.0277	-.0220	-.0595	-.1170	-.3178	
.040		.0335	.1494						
.050	-.0588			.0213	-.0520	-.0813	-.1265		
.069								-.3485	
.080				.0217					
.081			.1026						
.086		.1094							
.094	-.0258								
.150				.0441	-.0129	-.0486	-.1605		
.157								-.3703	
.163		.1263							
.177			.0800						
.229	.0501								
.246		.0958							
.250				.0393	-.0258	-.0764	-.1961		
.274			.0658						
.345								-.4497	
.362	.0000								
.390		.0958							
.400				-.0113	-.0650		-.2439		
.402			.0378						
.418								-.9825	
.497	.0912								
.503								.0000	
.550				-.1576	-.2398				
.565		-.1243							
.600							-.4775		
.637		-.1152							
.650						-.4623			
.670								-.3272	
.700	-.1041				-.4749				
.725			-.4230						
.730								-.5447	
.750						-.5707	-.6704		
.760			-.3628						
.775				-.4155	-.4561				
.798		-.3525							
.808			-.4063						
.834	-.3366								
.839		-.3779							
.850				-.3546	-.3036	-.4308			
.857			-.3666						
.862								-.0873	

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(5) = 2.176 BETA(4) = 6.147

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.3788								
.879		-.3305							
.900	-.3001			-.2537				-.2177	
.905			-.3243						
.919		-.3043							
.950				-.1371	-.1129	-.0536			
.953			-.2350						
.955		-.2584							
.965	-.2913								
1.000			-.1289		-.0027		.0603		

X/CW

-.3788

-.3305

-.3001

-.3243

-.2537

-.2177

-.3043

-.1371

-.1129

-.0536

-.2584

-.2913

-.1289

-.0027

.0603

ALPHA(6) = 4.242 BETA(1) = -6.110

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.0438	.0495	.4238	.6268	.5927	.5456	.4237	-.3358	
.010	.0262	.1341	.4885	.3753	.3429	.4260	.4009		
.020	.0573	.2108	.4485	.2445	.2915	.2968	.2636	-.1739	
.040		.2427	.3022						
.050	.0779			.1899	.1985	.2074	.1693		
.069								-.1701	
.080				.1761					
.081			.2100						
.086		.3029							
.094	.0928								
.150				.1877	.1807	.1531	.0577		
.157								-.1848	
.163		.2718							
.177			.1933						
.229	.1708								
.246		.1958							
.250				.1907	.1460	.0889	-.0113		
.274			.2081						
.345								-.2364	
.362	.0000								
.390		.2309							
.400				.1619	.0901		-.0948		
.402			.2245						
.418								-.6389	
.497	.2165								
.503								.0000	
.550				-.0090	-.1126				

X/CW

-.0438

.0495

.4238

.6268

.5927

.5456

.4237

-.3358

.0262

.1341

.4885

.3753

.3429

.4260

.4009

.0573

.2108

.4485

.2445

.2915

.2968

.2636

-.1739

.2427

.3022

.0779

.1899

.1985

.2074

.1693

-.1701

.1761

.2100

.3029

.0928

.1877

.1807

.1531

.0577

-.1848

.2718

.1933

.1708

.1958

.2081

.1907

.1460

.0889

-.0113

-.2364

.0000

.2309

.1619

.0901

-.0948

.2245

-.6389

.2165

-.0090

-.1126

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TABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP (ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(6) = 4.242 BETA(1) = -6.110

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.565			.0691						
.600							-.3203		
.637		.1075							
.650						-.3329			
.670								-.2658	
.700	.2299				-.4266				
.725				-.4800					
.730									-.4556
.750						-.5242	-.5383		
.760			-.4633						
.775				-.5562	-.5602				
.798		-.3636							
.808			-.5378						
.834	-.3757								
.839		-.4354							
.850				-.5139	-.4360	-.7158			
.857			-.4766						
.862								-.5220	
.865	-.3952								
.879		-.3923							
.900	-.4051			-.2362			-.7287		
.905			-.2516						
.919		-.2870							
.950				-.0828	-.2454	-.4561			
.953			-.1011						
.955		-.1930							
.965	-.3797								
1.000			-.0114		-.1013		-.2973		

ALPHA(6) = 4.246 BETA(2) = -4.074

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.0704	.0316	.4003	.5988	.5576	.5140	.3896	-.3903	
.010	-.0061	.1057	.4527	.3231	.2968	.3762	.3581		
.020	.0323	.1832	.4168	.2039	.2470	.2584	.2195	-.2239	
.040		.2153	.2776						
.050	.0596			.1584	.1622	.1707	.1329		
.069								-.2144	
.080				.1449					
.081			.1835						
.086		.2782							

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LABIA - PRESSURE SOURCE DATA TABULATION

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

CR	0703					
.094						
.150			.1584	.1554	.1230	.0270
.157						-.2266
.163	.2500					
.177		.1705				
.229	.1490					
.246		.1728				
.250			.1685	.1223	.0649	-.0390
.274		.1870				
.345						-.2720
.362	.0000					
.390		.2126				
.400			.1385	.0641		-.1208
.402		.2049				
.418						-.5779
.497	.2015					
.503						.0000
.550			-.0292	-.1309		
.565		.0516				
.600					-.3505	
.637	.0861					
.650					-.3604	
.670						-.2724
.700	.2060			-.4465		
.725			-.4976			
.730						-.4630
.750					-.5460	-.5612
.760		-.4405				
.775			-.5528	-.5854		
.798	-.3556					
.808		-.5117				
.834	-.3780					
.839		-.4154				
.850			-.5221	-.3832	-.7158	
.857		-.4597				
.862						-.5360
.865	-.4103					
.879		-.3692				
.900	-.3788		-.2229			-.7400
.905		-.2547				
.919		-.2886				
.950			-.0811	-.2281	-.2985	
.953		-.1125				
.955		-.2049				
.965	-.3758					

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL261)

ALPHA0(6) = 4.244 BETA0 (3) = .001

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.760			-.4665						
.775				-.5718	-.6237				
.798		-.3911							
.808			-.5482						
.834	-.3709								
.839		-.4229							
.850				-.5283	-.4141	-.7456			
.857			-.4676						
.862								-.5177	
.865	-.4074								
.879		-.3589							
.900	-.3549			-.2142			-.6717		
.905			-.2721						
.919		-.2934							
.950				-.0813	-.1996	-.1684			
.953			-.1388						
.955		-.2146							
.965	-.3419								
1.000			-.0457		-.0092		-.2077		

ALPHA0(6) = 4.243 BETA0 (4) = 4.105

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.000	-.2065	-.1055	.2332	.4661	.4219	.3814	.2650	-.5436	
.010	-.1767	-.1003	.3050	.2206	.1389	.2074	.2005		
.020	-.0991	.0072	.2970	.1178	.1048	.1090	.0788	-.3755	
.040		.0449	.1986						
.050	-.0390			.0780	.0403	.0426	.0123		
.069								-.3445	
.080				.0653					
.081			.1262						
.086		.1497							
.094	-.0042								
.150				.0690	.0521	.0222	-.0762		
.157								-.3600	
.163		.1636							
.177			.0964						
.229	.0731								
.246		.1183							
.250				.0660	.0263	-.0237	-.1412		
.274			.0910						

TABLE A - PRESSURE SOURCE DATA TABULATION

ARC11-019 1AB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CH

[illegible]

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL28)

ALPHA(S) = 4.240 BETA(S) = 6.155

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/SW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2585	-.0944	.1319	.4464	.3921	.3508	.2423	-.5712	
.010	-.2287	-.1083	.2036	.2065	.1189	.1708	.1639		
.020	-.1588	-.0181	.2124	.1088	.0877	.0829	.0445	-.4072	
.040		.0129	.1760						
.050	-.0714			.0760	.0236	.0206	-.0178		
.069				.0620				-.3783	
.080									
.081			.1350						
.086		.1116							
.094	-.0245								
.150				.0650	.0327	.0058	-.1003		
.157								-.3913	
.163		.1426							
.177			.1043						
.229	.0626								
.246		.1201							
.250				.0534	.0064	-.0395	-.1566		
.274			.0882						
.345								-.4282	
.362	.0000								
.390		.1163							
.400				.0009	-.0397		-.2231		
.402			.0556						
.418									-.6665
.497	.1111								
.503								.0000	
.550				-.1541	-.2194				
.565			-.1074						
.600							-.4525		
.637		-.1004							
.650						-.4368			
.670								-.3110	
.700	-.0939				-.4552				
.725			-.4121						
.730								-.4674	
.750					-.5692	-.6381			
.760			-.3571						
.775				-.4151	-.4639				
.798		-.3388							
.808			-.3851						
.834	-.3322								
.839		-.3700							
.850				-.3464	-.2929	-.5559			
.857			-.3460						
.862								-.2170	

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TABIA - PRESSURE SOURCE DATA TABULATION

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ARC11-019 TAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL28)

ALPHA(6) = 4.240 BETA(5) = 6.155

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.3601								
.879		-.3225							
.900	-.2875			-.2484			-.2593		
.905			-.3022						
.919		-.2895							
.950				-.1362	-.1258	-.0608			
.953			-.2186						
.955		-.2477							
.965	-.2910								
1.000		-.1216		.0053		.0093			

ALPHA(7) = 6.337 BETA(1) = -4.058

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1089	-.0294	.3665	.5691	.5325	.4676	.3160	-.5357	
.010	-.0266	.0583	.4678	.4170	.4154	.4921	.4550		
.020	.0168	.1666	.4475	.2875	.3514	.3714	.3373	-.2905	
.040		.2071	.3118						
.050	.0613			.2183	.2438	.2587	.2286		
.069								-.2260	
.080				.1950					
.081			.2113						
.086		.2910							
.094	.0800			.1908	.1977	.1768	.0843		
.150								-.2222	
.157									
.163		.2655							
.177			.1887						
.229	.1568								
.246		.1842							
.250				.1860	.1471	.1033	.0232		
.274			.1986						
.345								-.2918	
.362	.0000								
.390		.2138							
.400				.1419	.0864		-.0890		
.402			.2025						
.418								-1.0304	
.497	.2052								
.503								.0000	
.550			-.0326	-.1179					

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL28)

ALPHA(7) = 6.337 BETA(1) = -4.058

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.565			.0407						
.600							-.3205		
.637		.0710							
.650						-.3287			
.670								-.2625	
.700	.1957			-.4251					
.725			-.4819						
.730									-.5543
.750						-.5072	-.5338		
.760			-.3762						
.775				-.4887	-.5254				
.798		-.3241							
.808			-.5180						
.834	-.3703								
.839		-.4293							
.850				-.5430	-.4067	-.6827			
.857			-.4517						
.862								-.5220	
.865	-.3927								
.879		-.3855							
.900	-.3899			-.2733			-.7491		
.905			-.2753						
.919		-.2967							
.950				-.1143	-.2687	-.5862			
.953			-.1269						
.955		-.2059							
.965	-.3611								
1.000			-.0192		-.1383		-.3399		

ALPHA(7) = 6.337 BETA(2) = -2.026

SECTION (1) LEFT WING BOTTOM				DEPENDENT VARIABLE CP					
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.1547	-.0715	.3348	.5455	.4977	.4401	.2910	-.5799	
.010	-.0606	.0082	.4340	.3645	.3641	.4435	.4157		
.020	-.0188	.1321	.4198	.2488	.3017	.3293	.2971	-.3351	
.040		.1738	.2915						
.050	.0330			.1837	.2076	.2272	.1941		
.069								-.2653	
.080				.1603					
.081			.1900						
.086		.2646							

ARC11-019 1A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0(7) = 6.337 BETA0 (2) = -2.026

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BN	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
------	-------	-------	-------	-------	-------	-------	-------	-------	--------

X/CW

.094	.0562					
.150			.1603	.1700	.1485	.0576
.157						-.2577
.163	.2507					
.177		.1651				
.229	.1370					
.246	.1620					
.250			.1569	.1262	.0770	-.0232
.274		.1655				
.345						-.3150
.362	.0000					
.390	.1900					
.400			.1158	.0602		-.1147
.402		.1766				
.418						-.9988
.497	.1751					
.503						.0000
.550			-.0526	-.1358		
.565		.0199				
.600						-.3405
.637	.0528					
.650					-.3514	
.670						-.2676
.700	.1613			-.4415		
.725			-.4953			
.730						-.5227
.750					-.5274	-.5507
.760		-.3843				
.775			-.4885	-.5308		
.798	-.3164					
.808		-.5061				
.834	-.3714					
.839		-.4153				
.850			-.5656	-.4128	-.6973	
.857		-.4544				
.862						-.5355
.865	-.4106					
.879	-.3604					
.900	-.3542		-.2698			-.7659
.905		-.2647				
.919		-.2974				
.950			-.1144	-.2496	-.5198	
.953		-.1372				
.955	-.2122					
.965	-.3587					

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0(7) = 6.337 BETA0 (2) = -2.026

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW	1.000								

X/CW

1.000

-.0349

-.1098

-.3238

ALPHA0(7) = 6.335 BETA0 (3) = .015

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									

X/CW

.000

-.2114

-.1291

.2890

.5183

.4580

.3990

.2596

-.6201

.010

-.1376

-.0586

.3992

.3441

.3089

.3866

.3702

-.3689

.020

-.0571

.0782

.3908

.2228

.2569

.2799

.2539

-.3689

.040

.1206

.2789

.1563

.1617

.1833

.1513

-.3030

.050

.0067

.1301

.1724

.2331

.1293

.1340

.1168

.0217

.069

.0382

.2343

.1388

.1252

.0919

.0505

-.0530

-.3500

.080

.1461

.1384

.0820

.0289

-.1411

-.9441

.081

.1475

.0000

.0257

-.0813

-.1594

.3704

-.2879

.086

.0123

.0625

-.5075

-.4581

-.5532

-.5698

-.5037

.094

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.150

.1248

.1461

.1384

.1252

.0919

.0505

-.0530

-.3500

.157

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.163

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.177

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.229

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.246

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.250

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.274

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.345

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.362

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.390

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.400

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.402

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.418

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.497

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.503

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.550

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.565

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.600

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.637

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.650

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.670

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.700

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.725

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.730

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

.750

.0000

.1556

.1308

.0820

.0289

-.1411

-.9441

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IAB1A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0(7) = 6.335 BETA0(3) = .015

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.760			-.4017						
.775				-.5060	-.5686				
.798		-.3631							
.808			-.5216						
.834	-.3566								
.839		-.4107							
.850				-.5784	-.4183	-.7116			
.857			-.4567						
.862								-.5491	
.865	-.4006								
.879		-.3593							
.900	-.3444			-.2601			-.7843		
.905			-.2868						
.919		-.2894							
.950				-.1133	-.2511	-.4036			
.953			-.1440						
.955		-.2115							
.965	-.3379								
1.000			-.0452	-.0955		-.3114			

ALPHA0(7) = 6.332 BETA0(4) = 2.074

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.000	-.2658	-.1780	.2422	.4808	.4328	.3689	.2247	-.6697	
.010	-.1805	-.1316	.3580	.3243	.2723	.3441	.3285		
.020	-.1049	.0201	.3644	.2140	.2162	.2374	.2218	-.4116	
.040		.0741	.2613						
.050	-.0221			.1450	.1306	.1432	.1272		
.069								-.3409	
.080				.1165					
.081			.1662						
.086		.1977							
.094	.0164								
.150				.1079	.1082	.0873	-.0074		
.157								-.3220	
.163		.2104							
.177			.1291						
.229	.1010								
.248		.1408							
.250				.1000	-.0665	.0274	-.0783		
.274			.1169						

ARC11-019 IAB1 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA0 (7) = 6.332 BETA0 (4) = 2.074

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.345								-.3685	
.362	.0000								
.390		.1332							
.400				.0516	.0072		-.1627		
.402			.0971						
.418									-.9572
.497	.1323								
.503								.0000	
.550				-.1086	-.1793				
.565			-.0783						
.600							-.3863		
.637		-.0753							
.650						-.3903			
.670								-.2944	
.700	-.0210				-.4718				
.725				-.4769					
.730									-.4850
.750						-.5698	-.5853		
.760			-.4094						
.775				-.4871	-.5658				
.798		-.3682							
.808			-.4914						
.834	-.3710								
.839		-.4045							
.850				-.5626	-.4304	-.7046			
.857			-.4166						
.862								-.5458	
.865	-.3939								
.879		-.3500							
.900	-.3214			-.2670			-.7814		
.905			-.3121						
.919		-.3008							
.950				-.1228	-.2413	-.3115			
.953			-.1736						
.955		-.2244							
.965	-.3114								
1.000			-.0706		-.0526		-.2758		

TABLE - PRESSURE SOURCE DATA TABULATION

- ARC11-019 1481 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

X/CW

.000	-.2970	-.1958	.1889	.4481	.4065	.3304	.1668	-.7526
.010	-.2261	-.1800	.3047	.3161	.2561	.3153	.2961	
.020	-.1475	-.0313	.3203	.2104	.2078	.2118	.1877	-.4770
.040		.0151	.2373					
.050	-.0544			.1385	.1151	.1219	.0959	
.069				.1062				-.3890
.080								
.081			.1540					
.086		.1475						
.094	-.0112							
.150				.0994	.0904	.0739	-.0273	
.157								-.3632
.163		.1769						
.177			.1165					
.229	.0796							
.246		.1396						
.250				.0896	.0505	.0121	-.0955	
.274			.1153					
.345								-.3598
.362	.0000							
.390		.1306						
.400				.0328	-.0065		-.1809	
.402			.0813					
.418								-.9809
.497	.1231							
.503								.0000
.550				-.1285	-.1894			
.565			-.0885					
.600							-.4012	
.637		-.0835						
.650						-.3982		
.670								-.3052
.700	-.0464				-.4601			
.725				-.4486				
.730								-.4836
.750						-.5472	-.5650	
.760			-.3772					
.775				-.4580	-.5309			
.798		-.3487						
.808			-.4220					
.834	-.3602							
.839		-.3786						
.850				-.4821	-.3995	-.6651		
.857			-.3834					
.862								-.5143

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IA81A - PRESSURE SOURCE DATA TABULATION

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ARC11-019 (A81 LVAP(ELHL SEALED) LEFT WING BOT.

(RETL26)

ALPHA(7) = 6.327 BETA(5) = 4.123

SECTION (1) LEFT WING BOTTOM

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	.9720	1.0000
X/CW									
.865	-.3854								
.879		-.3510							
.900	-.3163			-.2766			-.7204		
.905			-.3180						
.919		-.3158							
.950				-.1463	-.2150	-.2689			
.953			-.1990						
.955		-.2472							
.965	-.3101								
1.000			-.0935		-.0332		-.2624		